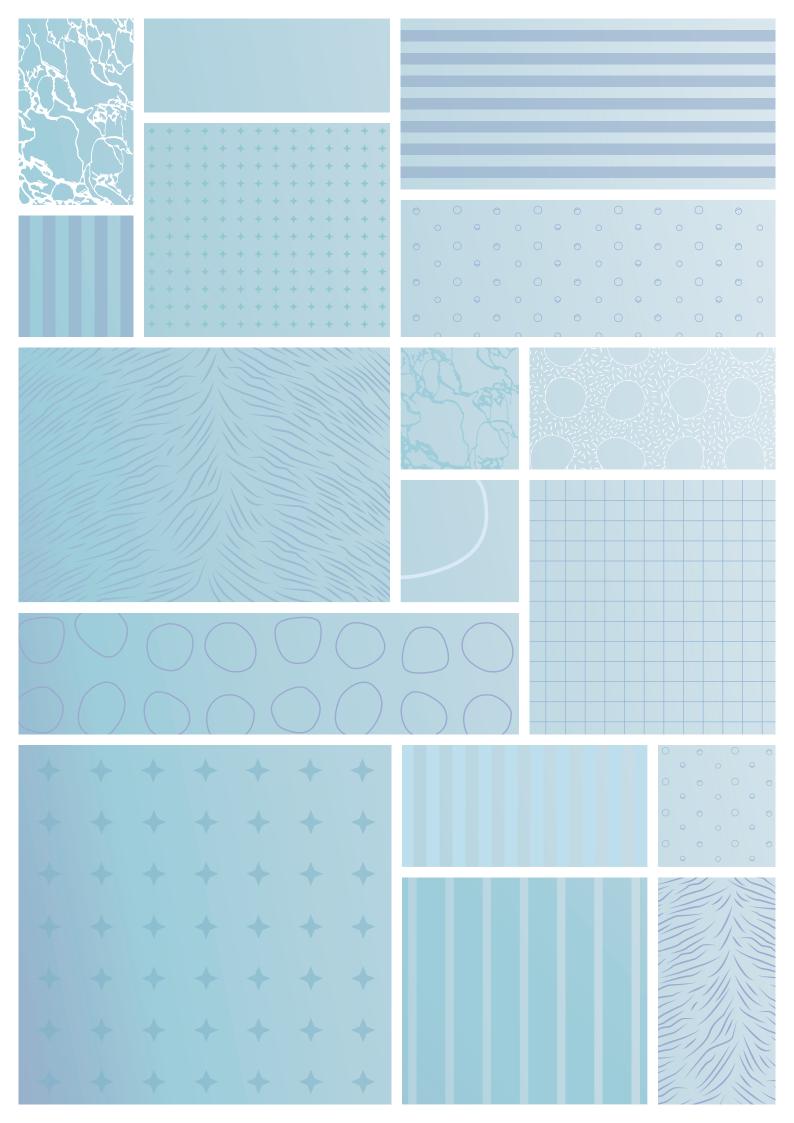


Your Dreams, Our Challenge



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IMAGIN IMAGIN WIRED FRAMING GLASS



Pattern Maximum Thicknesses\* (mm) Description Pattern availability width (mm) 4, 5, 6 1610 OR Create harmony by bringing Aero nature-inspired patterns into your 5, 6, 8 1610 Bamboo OR home, featuring natural colours Nature Delta ST 4 5, 6, 8, 10 1850 and materials. 4, 5 2040 Diamante 9 OR 5, 6, 8, 10 2040 Kura ST 4 5, 6, 8 2040 Niagara OR 33/33 ST 10 3, 4, 5, 6, 8 2040 Soft designs deliver moderate levels of privacy while retaining light Antique OR 3, 4, 5, 6 1610 transmission. The satin surface also 3, 5, 10\*\* Chinchilla ST 4, 4.2, 6, 8 2040 Soft decreases light reflection. Crepi ST 4, 6, 8 3, 4.2, 5 2040 3, 4, 5, 6, 8 2040 Garten OR \*\* for 10 max. width 1850 Gothic ST 4 3, 5, 6 1610 2040 OR 3, 4, 5, 6, 8 In these patterns, balanced Eclissi Aesthetics aesthetics help keep your interiors up 4, 5, 6, 8 2040 Oltreluce Space OR with the latest trends. OR 3, 4, 5, 6, 8 1850 Quatrix Flutes ST 4, 6 5 1850 Lines and stripes deliver a modern look, featuring stark and regular 5, 6 1850 Flutex OR geometry. The combination of vertical Listral 151 OR 5 1850 and horizontal lines creates unique 4 1850 Oltreluce Waves OR optics. 6,8 1850 Linear Patterned Glass 130 5 ST 4 Raywall 45 ST 5, 6, 8, 10 1850 5, 6, 8, 10 1850 Raywall 90 OR 1850 Raywall 90T ST 4, 6, 8 5, 10 Square OR 5 1610 OR 4, 5, 6 1650 Stalactit 2040 OR 4, 5, 6, 8 These patterns feature pitting Atlantic and irregular, broken lines. 4, 5, 6, 8 1850 Cathédrale "B" OR Grainy designs deliver superb 4, 5, 6, 8 2040 Flint OR privacy. Cathedrals Kathedral Gross 4, 5, 6, 8 2040 OR Kathedral Klein 4 5, 6, 8 2040 ST 4, 5, 6, 8 2040 Marine OR Martelé "O" 4, 5, 6, 8 1850 OR 4, 5, 6, 8 2040 Sahara OR 4, 5, 6 2040 Denim OR A repeating symphony of superfine dots and points yields subtle designs 4, 5, 6 2040 Galette OR Pixels capable of hiding objects behind the Krizet OR 4, 5, 6 2040 glass. ST 4 3, 5, 6, 8 1850 Screen 5 2040 Does your interior require rounded Bucny OR elements? Choose a pattern that 2040 "D" OR 4, 5, 6, 8 Rounded includes circles and ovals. 4, 5, 6, 8, 10\* 2040 Konfeta OR Opt for tiny lenses or regular circles. 2040 Oltreluce Circles 4, 5, 6, 8, 10 OR \* for 10 max. width 1850 2040 "S" 4, 5, 6, 8 OR

## CONTENTS

IMAGIN IMAGIN WIRED FRAMING GLASS



Pattern Maximum Thicknesses\* (mm) Pattern Description width (mm) availability 4, 5, 6 1850 Textures resembling wallpaper Galaxy OR designs and twisted textile fibres 4, 5, 6 1850 Listral 77 OR deliver unique and distinctive Retro 1850 Travertino 4, 5, 6 OR structures. 4, 5, 6, 8 1850 Tweed OR OR 4, 5, 6 1850 Twist 4, 5, 6 2040 These patterns use hieroglyphs from Alexandria OR Antiques ancient civilizations as graphic design 4, 5, 6, 8, 10 1850 Farao OR elements. 5, 6, 8 1850 Maya OR 4, 5, 6 2040 Nordic OR 7 2040 Wired Alexandria OR Wired glass features wire mesh embedded in the glass during the Wired Atlantic OR 7 2040 production process. 2040 Wired Crepi OR 6,7 It is manufactured primarily as Wired "D" 6,7 2040 a fire-retardant to prevent the glass Wired Delta 6, 7 1850 from shattering and breaking under OR stress or when exposed to high 7 2040 Wired Denim OR Wired temperatures. The glass keeps the 2040 Wired Diamante 9 OR 7 fire at bay, protecting people from the Wired Konfeta OR 6,7 2040 harmful effects of smoke and flames. 1850 Wired Listral 77 OR 6,7 The industrial look dovetails perfectly 7 2040 with current trends in loft interiors and Wired Nordic OR minimalist design. 6 7 2040 Wired "O" 1/2" ST Wired "O" 1" 6, 7 2040 OR Wired "S" 1/2" 6, 7 2040 ST 2 1560 Glamatt ST Framing glass is clear glass for picture frames that can be used to reduce the negative effect of light reflection. Anti-glare glass delivers excellent reproduction of contrasts and colours.

# Aero

#### Description

Featuring natural colours and materials, this nature-inspired pattern creates harmony into your home.

#### **Applications**

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>

partitions

façades

 atriums roofs • etc.

#### Pattern availability

On request			
Thickness (mm)	Maximum dimensions (length × width in mm)		
4			
5	3750 × 1610		
6			

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

#### **Special information**

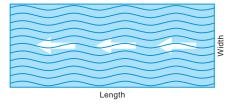
None.

#### Minimum order

Pattern on request: 2 full loads (48 tons)

AGC

#### Pattern direction



### Similar patterns





OR Pattern on request







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Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10¹º Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4 mm	5mm	6 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7
Solar Factor: g	86	85	83
Colour Rendering (EN 410): Ra	99	99	98
UV Transmission (EN 410)	63	60	57

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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JK 03/202

# Bamboo®

#### Description

Featuring natural colours and materials, this nature-inspired pattern creates harmony into your home.

#### **Applications**

<ul> <li>furniture</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>doors</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
5		
6	3750 × 1610	
8		

### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

### **Special information**

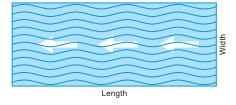
None.

#### Minimum order

Pattern on request: 2 full loads (48 tons)

AGC

#### Pattern direction



#### Similar patterns





OR Pattern on request







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## Bamboo®

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
5	± 0.5	×	×	$\checkmark$
6	± 0.5	×	×	$\checkmark$
8	± 0.8	×	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	5mm	6mm	8mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	82/7/7	80/7/7	77/7/7
Solar Factor: g	85	83	81
Colour Rendering (EN 410): Ra	99	98	98
UV Transmission (EN 410)	60	57	52

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

#### AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

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## **Delta**<sup>®</sup> CLEAR PATTERNED GLASS

# AGC

#### IMAGIN

#### Description

Featuring natural colours and materials, this nature-inspired pattern creates harmony into your home.

#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>roofs</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

Standard			
Thickness         Dimensions*           (mm)         (length × width in mn			
	2540 × 1850		
4	3350 × 1850		
* maximum dimensions 3750 × 1850 mm			

Non-standard			
Thickness (mm)	Maximum dimensions (length × width in mm)		
5			
6	3750 × 1850		
8	3750 × 1850		
10			

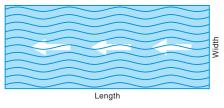
#### Minimum order

Non-standard thickness: half load can be produced during standard pattern run.

### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

#### Pattern direction



#### Special information

None.

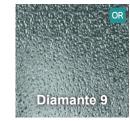
#### Similar patterns





OR Pattern on request







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Thickn	ess (mm)	Thickness tolerance Tomporing		Lamination	IGU
Standard	Non-standard	(EN 572-5)	Tempering	Lammation	190
4		± 0.5	$\checkmark$	×	$\checkmark$
	5	± 0.5	$\checkmark$	×	$\checkmark$
	6	± 0.5	$\checkmark$	×	$\checkmark$
	8	± 0.8	$\checkmark$	×	×
	10	± 1.0	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	C <sub>p</sub>	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4mm	5mm	6mm	8 mm	10 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)	34 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8	86/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7	74/7/7
Solar Factor: g	86	85	83	81	79
Colour Rendering (EN 410): Ra	99	99	98	98	97
UV Transmission (EN 410)	63	60	57	52	48

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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## **Diamante 9** CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

Featuring natural colours and materials, this nature-inspired pattern creates harmony into your home.

#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>roofs</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
4	3350 × 1850	
5	3750 × 2040	

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

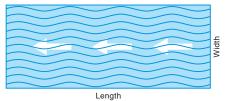
#### **Special information**

Also available on request with an embedded wire mesh.

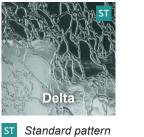
### Minimum order

**Pattern on request:** 2 full loads (48 tons)

#### Pattern direction



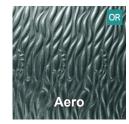
Similar patterns





OR Pattern on request







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# AGC

## Diamante 9

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4mm	5mm
Resistance to fire (EN 13501-2)	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)
U-value (EN 673)	5.8	5.8
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8
Solar transmission / Reflection (EN 410): $\tau e$ / $\rho e$ / $\rho' e$	84/8/8	82/7/7
Solar Factor: g	86	85
Colour Rendering (EN 410): Ra	99	99
UV Transmission (EN 410)	63	60

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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# Kura

#### Description

Featuring natural colours and materials, this nature-inspired pattern creates harmony into your home.

#### **Applications**

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>roofs</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

5	Standard			
Thickness Dimensions* (mm) (length × width in mr				
4	2540 × 1850			
4	3350 × 1850			

Non-standard				
Thickness (mm)	Maximum dimensions (length × width in mm)			
5				
6	3750 × 2040			
8				
10	3750 × 1850			

## Minimum ordering quantity

Non-standard thickness: half load can be produced during standard pattern run.

\* maximum dimensions 3750 × 2040mm

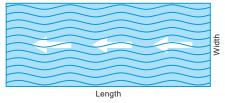
#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

#### **Special information**

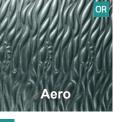
None.

#### Pattern direction



#### Similar patterns





OR Pattern on request







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AGC

Thickn	ess (mm)	Thickness tolerance (EN 572-5) Tempering		Lamination	IGU
Standard	Non-standard			Lammation	160
4		± 0.5	$\checkmark$	×	$\checkmark$
	5	± 0.5	$\checkmark$	×	$\checkmark$
	6	± 0.5	$\checkmark$	×	$\checkmark$
	8	± 0.8	$\checkmark$	×	×
	10	± 1.0	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	4mm	5mm	6mm	8 mm	10 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)	34 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7	5.7	5.7
Light transmission / Reflection (EN 410): τv / ρv / ρ'	90/8/8	89/8/8	89/8/8	87/8/8	86/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7	74/7/7
Solar Factor: g	86	85	83	81	79
Colour Rendering (EN 410): Ra	99	99	98	98	97
UV Transmission (EN 410)	63	60	57	52	48

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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# Niagara®

#### Description

Featuring natural colours and materials, this nature-inspired pattern creates harmony into your home.

#### **Applications**

<ul> <li>furniture</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>doors</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

On request			
Thickness (mm)	Maximum dimensions (length × width in mm)		
5	2130 × 1610		
6	- 3750 × 2040		
8	3750 × 2040		

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

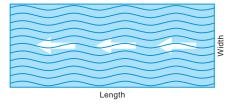
#### **Special information**

None.

#### Minimum ordering quantity

Patern on request: 2 full loads (48 tons)

#### Pattern direction



#### Similar patterns





Pattern on request







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Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
5	± 0.5	×	×	$\checkmark$
6	± 0.5	×	×	$\checkmark$
8	± 0.8	×	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	5mm	6mm	8mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	82/7/7	80/7/7	77/7/7
Solar Factor: g	85	83	81
Colour Rendering (EN 410): Ra	99	98	98
UV Transmission (EN 410)	60	57	52

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

#### AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

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## 33/33 CLEAR PATTERNED GLASS

#### Description

Soft designs deliver moderate levels of privacy while retaining light transmission. The satin surface also decreases light reflection.

**Dimensions\*** 

(length × width in mm)

3350 × 2040

#### **Applications**

- furniture
- doors showers
- façades
  - atriums

• etc.

• partitions

Thickness

(mm)

10

- windows • greenhouses roofs
- Pattern availability

Standard

\* maximum dimensions 3750 × 2040mm

Non	Non-standard					
Thickness (mm)	Maximum dimensions (length × width in mm)					
3						
4						
5	3750 × 2040					
6						
8						

#### Minimum order

Non-standard thickness: half load can be produced during standard pattern run.

AGC

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

### **Special information**

Double sided patterned glass: pattern Crepi on both sides. Pattern Crepi on the top side is smoother in order to facilitate the cutting.

#### Similar patterns





Thickness (mm)		Thickness tolerance	Tomporing	Lamination	IGU
Standard	Non-standard	(EN 572-5)	Tempering	pering Lamination	160
	3	± 0.5	$\checkmark$	$\checkmark^{\star}$	×
	4	± 0.5	$\checkmark$	✓*	$\checkmark$
	5	± 0.5	$\checkmark$	✓*	$\checkmark$
	6	± 0.5	$\checkmark$	✓*	$\checkmark$
	8	± 0.8	$\checkmark$	✓*	×
10		± 1.0	$\checkmark$	$\checkmark^{\star}$	×

\* Lamination test before first production run is strictly recommended.

#### Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### **Compliance with European standards**

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	3 mm	4 mm	5mm	6 mm	8 mm	10 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): $R_w$ (C; $C_t$ )	29 (-2,-5)	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)	34 (-2,-3)
U-value (EN 673)	5.8	5.8	5.8	5.7	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	90/8/8	89/8/8	89/8/8	87/8/8	86/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	86/8/8	84/8/8	82/7/7	80/7/7	77/7/7	74/7/7
Solar Factor: g	87	86	85	83	81	79
Colour Rendering (EN 410): Ra	99	99	99	98	98	97
UV Transmission (EN 410)	67	63	60	57	52	48

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## Antique CLEAR PATTERNED GLASS

IMAGIN

#### Description

Soft designs deliver moderate levels of privacy while retaining light transmission. The satin surface also decreases light reflection.

#### **Applications**

furniture

doors

showers

windows

atriums

roofs

• etc.

partitions

façades

#### Pattern availability

On request				
Thickness (mm)	Maximum dimensions (length × width in mm)			
3				
4	3750 × 1610			
5	3750 × 1610			
6				

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

#### Special information

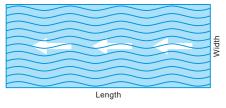
None.

#### Minimum order

Pattern on request: 2 full loads (48 tons)

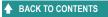
AGC

#### Pattern direction



#### Similar patterns





## Antique

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
3	± 0.5	$\checkmark$	×	×
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	3 mm	4 mm	5 mm	6 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>t</sub> )	29 (-2,-5)	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	86/8/8	84/8/8	82/7/7	80/7/7
Solar Factor: g	87	86	85	83
Colour Rendering (EN 410): Ra	99	99	99	98
UV Transmission (EN 410)	67	63	60	57

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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## **Chinchilla**® CLEAR PATTERNED GLASS

#### Description

Soft designs deliver moderate levels of privacy while retaining light transmission. The satin surface also decreases light reflection.

#### **Applications**

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>roofs</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

Standard			
Thickness (mm)	Dimensions* (length × width in mm)		
4	2540 × 1850		
4	3350 × 1850		
4.2	3210 × 2000		
6	2130 × 1850		
8	2250 × 1850		

Non-standard Thickness Maximum dimensions (mm) (length × width in mm) 3 3750 × 2040 5 10 3750 × 1850

#### Minimum order

Non-standard thickness: half load can be produced during standard pattern run.

#### \* maximum dimensions 3750 × 2040mm

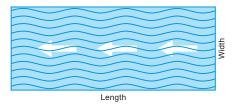
#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	_

#### **Special information**

Thickness 4.2 mm developed specially for lamination with 0.76 PVB.

#### Pattern direction



#### Similar patterns







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# AGC

## **Chinchilla**®

#### Processability and thickness tolerance

Thickn	iess (mm)	Thickness tolerance	Thickness tolerance Tempering Laminati		IGU
Standard	Non-standard	(EN 572-5)	rempering	Lamination	160
	3	± 0.5	$\checkmark$	$\checkmark^{\star}$	×
4 and 4.2		± 0.5	$\checkmark$	✓*	$\checkmark$
	5	± 0.5	$\checkmark$	✓*	$\checkmark$
6		± 0.5	$\checkmark$	$\checkmark^{\star}$	$\checkmark$
8		± 0.8	$\checkmark$	✓*	×
	10	± 1.0	$\checkmark$	✓*	×

\* Lamination test before first production run is strictly recommended.

AGC developed a special thickness of 4.2mm to facilitate processing and improve lamination.

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	3 mm	4 mm	5mm	6 mm	8 mm	10 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): $R_w$ (C; $C_t$ )	29 (-2,-5)	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)	34 (-2,-3)
U-value (EN 673)	5.8	5.8	5.8	5.7	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	90/8/8	89/8/8	89/8/8	87/8/8	86/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	86/8/8	84/8/8	82/7/7	80/7/7	77/7/7	74/7/7
Solar Factor: g	87	86	85	83	81	79
Colour Rendering (EN 410): Ra	99	99	99	98	98	97
UV Transmission (EN 410)	67	63	60	57	52	48

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## Crepi CLEAR PATTERNED GLASS

#### Description

Soft designs deliver moderate levels of privacy while retaining light transmission. The satin surface also decreases light reflection.

**Dimensions\*** 

(length × width in mm)

2540 x 1850

3300 × 2040

3350 × 1850 3350 × 2040 3350 × 2040

3350 × 2040

#### **Applications**

• furniture

• partitions

- doors showers
- façades • windows
  - atriums greenhouses roofs
- Pattern availability

Thickness

(mm)

4

6

8

#### Non-standard Thickness Maximum dimensions (mm) (length × width in mm) 3 3750 × 2040

• etc.

#### Minimum order

Non-standard thickness: half load can be produced during standard pattern run.

\* maximum dimensions 3750 × 2040mm

Standard

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

#### **Special information**

Also available on request with an embedded wire mesh.

#### Similar patterns

33/33

Standard pattern

OR Pattern on request

Gothic

Chinchilla





# AGC





Thickness (mm)		Thickness tolerance	Thickness tolerance Tempering Lamination		IGU
Standard	Non-standard	(EN 572-5)	Tempering	Lammation	160
3		± 0.5	$\checkmark$	✓*	×
4		± 0.5	$\checkmark$	✓*	$\checkmark$
6		± 0.5	$\checkmark$	✓*	$\checkmark$
8		± 0.8	$\checkmark$	✓*	×

\* Lamination test before first production run is strictly recommended;

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10¹º Pa
Poisson's ratio	μ	0.2
Specific heat capacity	C <sub>p</sub>	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	3 mm	4mm	6mm	8 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	29 (-2,-5)	30 (-2,-4)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	90/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	86/8/8	84/8/8	80/7/7	77/7/7
Solar Factor: g	87	86	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
UV Transmission (EN 410)	67	63	57	52

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# Garten

#### Description

Soft designs deliver moderate levels of privacy while retaining light transmission. The satin surface also decreases light reflection.

#### **Applications**

- furniture
- doors
- façades • etc.

- showers
- windows atriums
- partitions
- roofs greenhouses
- Pattern availability

On request				
Thickness (mm)	Maximum dimensions (length × width in mm)			
3				
4				
5	3750 × 2040			
6				
8				

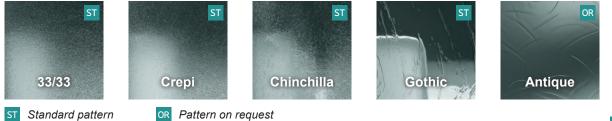
### Pattern description

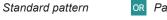
Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

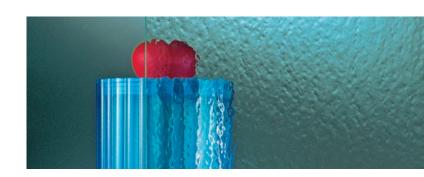
### **Special information**

None.

#### Similar patterns

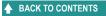






#### Minimum order

Pattern on request: 2 full loads (48 tons)





## Garten

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
3	± 0.5	$\checkmark$	×	×
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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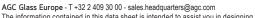
	3 mm	4mm	5mm	6mm	8mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	29 (-2,-5)	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τv / ρv / ρ'	90/8/8	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	86/8/8	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	87	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	99	98	98
UV Transmission (EN 410)	67	63	60	57	52

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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# Gothic®

#### Description

Soft designs deliver moderate levels of privacy while retaining light transmission. The satin surface also decreases light reflection.

#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>roofs</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

Standard		Non-standard		
Thickness (mm)	Dimensions* (length × width in mm)	Thickness (mm)	Maximum dimensions (length × width in mm)	
Thickness Dimensions*	2130 × 1610	3		
	5	3750 × 1610		
aximum dimens	ions 3750 × 1610mm	6		

## Pattern description

\* maximum

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

#### Special information

None.

## Pattern direction



Non-standard thickness: half load can be produced during standard

#### Similar patterns



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Minimum order

pattern run.

# AGC





Thickne	Thickness (mm)		Tomporing	Lamination	IGU
Standard	Non-standard	(EN 572-5)	Tempering	Lammation	160
	3	± 0.5	$\checkmark$	✓*	×
4		± 0.5	$\checkmark$	✓*	$\checkmark$
	5	± 0.5	$\checkmark$	✓*	$\checkmark$
	6	± 0.5	$\checkmark$	✓*	$\checkmark$

\* Lamination test before first production run is strictly recommended.

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	3 mm	4mm	5mm	6mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	29 (-2,-5)	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	86/8/8	84/8/8	82/7/7	80/7/7
Solar Factor: g	87	86	85	83
Colour Rendering (EN 410): Ra	99	99	99	98
UV Transmission (EN 410)	67	63	60	57

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

#### AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

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## **Eclissi** CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

In these patterns, balanced aesthetics help keep your interiors up with the latest trends.

roofs

• etc.

#### Applications

• furniture

• windows

- partitions doors
- façadesatriums

Pattern availability

Non-	-standard
Thickness (mm)	Maximum dimensions (length × width in mm)
3	
4	
5	3750 × 2040
6	
8	

#### Minimum order

**Pattern on request:** 2 full loads (48 tons)

AGC

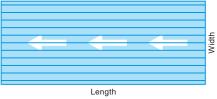
#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	
Yes	—	—	3mm / 1m	6mm / 1m	

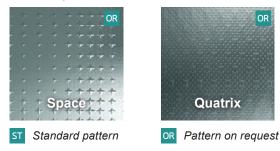
#### Special information

None.

#### Pattern direction



#### Similar patterns





Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
3	± 0.5	$\checkmark$	×	×
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	3 mm	4 mm	5 mm	6 mm	8 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	29 (-2,-5)	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	86/8/8	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	87	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	99	98	98
UV Transmission (EN 410)	67	63	60	57	52

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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## **OLTRELUCE Space**<sup>®</sup> CLEAR PATTERNED GLASS

#### **IMAGIN**

#### Description

In these patterns, balanced aesthetics help keep your interiors up with the latest trends.

#### Applications

- furniture
- doors
- showers

windows

partitions

façades

## atriums roofs

- etc.
- Pattern availability

On request					
Thickness (mm)	Maximum dimensions (length × width in mm)				
4					
5	3750 x 2040				
6	3750 X 2040				
8					

								-	-					
	V						R	-	-	-	+		+	4
	v~ -	÷+-	5		1	×		7	-	-	+	*	+	+
	× -		77			*			7	-	-	*	+	-
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	A -	4.4	4	+	+	+	+	-						
	A	A 4												

#### Minimum order

**Pattern on request:** 2 full loads (48 tons).

AGC

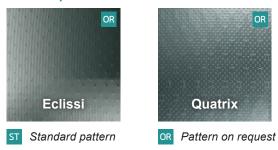
#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	3 mm / 1 m	6 mm / 1 m

#### **Special information**

Can be silvered and back painted on request by manufacturer. Pattern Oltreluce Space  $\ensuremath{\mathbb{C}}$  Michele De Lucchi

#### Similar patterns







Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4mm	5 mm	6mm	8 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
UV Transmission (EN 410)	63	60	57	52

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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## Quatrix CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

In these patterns, balanced aesthetics help keep your interiors up with the latest trends.

#### Applications

furniture

• doors

• showers

windows

- partitions
- façades

atriums

roofs

• etc.

#### Pattern availability

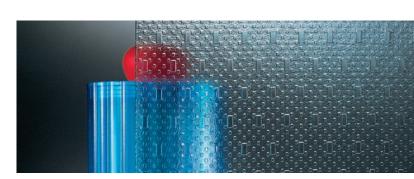
On request					
Thickness (mm)	Maximum dimensions (length × width in mm)				
3					
4					
5	3750 × 1850				
6					
8					

### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	3 mm / 1 m	6mm / 1m

#### Special information

None.

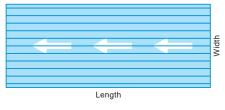


#### Minimum order

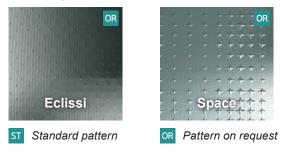
Pattern on request: 2 full loads (48 tons)

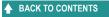
AGC

#### Pattern direction



#### Similar patterns





## Quatrix

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
3	± 0.5	$\checkmark$	×	×
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10¹º Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	3 mm	4 mm	5 mm	6 mm	8 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	29 (-2,-5)	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	86/8/8	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	87	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	99	98	98
UV Transmission (EN 410)	67	63	60	57	52

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JK 03/202

## Flutes CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

Lines and stripes deliver a modern look, featuring stark and regular geometry. The combination of vertical and horizontal lines creates unique optics.

#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>

partitions

windows
façades

atriums roofs

• etc.

#### Pattern availability

S	Standard			
Thickness (mm)	Dimensions* (length × width in mm)			
	2540 × 1850			
4	3350 × 1850			
6	3350 × 1850			

\* maximum dimensions 3750 × 1850mm

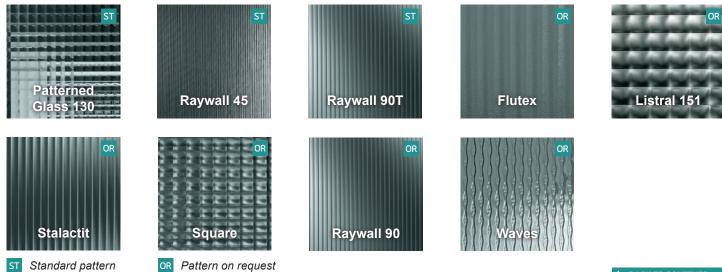
#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	12.5 ± 0.3 mm		3 mm / 1 m	—

#### **Special information**

None.

#### Similar patterns



Non-standard

Maximum dimensions

(length × width in mm)

3750 × 1850

Thickness

(mm)

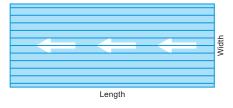
5

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## Minimum order

Non-standard thickness: half load can be produced during standard pattern run.

#### Pattern direction









## Flutes

#### Processability and thickness tolerance

Thickness (mm)		Thickness tolerance Temporing Lamination	Thickness tolerance	Tempering Lamination		IGU
Standard	Non-standard	(EN 572-5)	Tempering	Lammation	190	
4		± 0.5	$\checkmark$	×	$\checkmark$	
	5	± 0.5	$\checkmark$	×	$\checkmark$	
6		± 0.5	$\checkmark$	×	$\checkmark$	

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	4mm	5mm	6mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7
Solar Factor: g	86	85	83
Colour Rendering (EN 410): Ra	99	99	98
UV Transmission (EN 410)	63	60	57

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## **Flutex** CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

Lines and stripes deliver a modern look, featuring stark and regular geometry. The combination of vertical and horizontal lines creates unique optics.

#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>roofs</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
5	- 3750 × 1850	
6		

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	25 ± 0.3 mm		3 mm / 1 m	_

#### **Special information**

Similar patterns

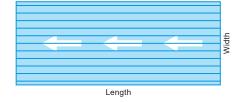
Standard pattern

Double sided pattern developed for lamination with 0.76 PVB. Pattern Crepi on the top side is put in laminated glass against PVB.

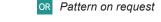
# Minimum order

**Pattern on request:** 2 full loads (48 tons)

#### Pattern direction



# ST ST ST ST ST ST ST Listral 151 Patterned Glass 130 Raywall 45 Raywall 90 OR OR



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## Flutex

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
5	± 0.5	$\checkmark$	$\checkmark$	$\checkmark$
6	± 0.5	$\checkmark$	$\checkmark$	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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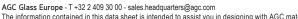
	5mm	6mm
Resistance to fire (EN 13501-2)	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-3)	31 (-2,-3)
U-value (EN 673)	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): $\tau e$ / $\rho e$ / $\rho' e$	82/7/7	80/7/7
Solar Factor: g	85	83
Colour Rendering (EN 410): Ra	99	98
UV Transmission (EN 410)	60	57

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

#### AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

Based in Louvain-la-Neuve (Belgium), AGC Glass Europe produces, processes and markets flat glass for the construction industry (external glazing and interior decoration), car manufacture and other industrial sectors (transport, solar power and high-tech). It is the European branch of AGC, a world leader in flat glass. It has over 100 sites throughout Europe. More information on www.agc-yourglass.com.







## Listral 151 CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

Lines and stripes deliver a modern look, featuring stark and regular geometry. The combination of vertical and horizontal lines creates unique optics.

windows

façades

#### Applications

<ul> <li>furniture</li> </ul>	
<ul> <li>doors</li> </ul>	

• atriums • etc.

#### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
5	3750 × 1850	

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	$25 \times 25 \pm 0.3 \text{mm}$		3mm / 1 m	6 mm / 1 m

#### Special information

None.

#### Minimum order

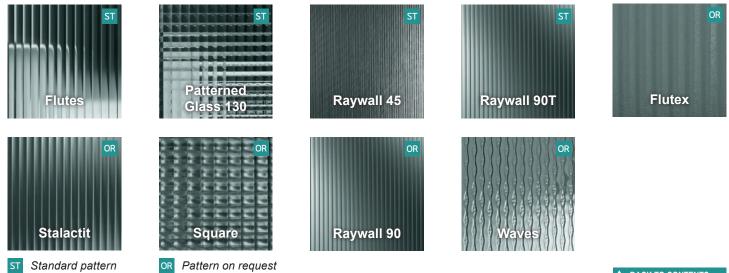
Pattern on request: 2 full loads (48 tons)

#### Pattern direction



Length

#### Similar patterns



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#### Processability and thickness tolerance

Listral	151

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
5	± 0.5	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10¹º Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	5mm
Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): $R_w$ (C; $C_t$ )	30 (-1,-2)
U-value (EN 673)	5.8
Light transmission / Reflection (EN 410): τv / ρv / ρ'	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	82/7/7
Solar Factor: g	85
Colour Rendering (EN 410): Ra	99
UV Transmission (EN 410)	60

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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## OLTRELUCE Waves® CLEAR PATTERNED GLASS

#### Description

Lines and stripes deliver a modern look, featuring stark and regular geometry. The combination of vertical and horizontal lines creates unique optics.

#### **Applications**

•	furniture	

doors

 windows atriums façades • etc.

#### Pattern availability

On request			
Thickness (mm) Maximum dimensions (length × width in mm)			
4	3750 × 1850		

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	3mm / 1m	—

#### **Special information**

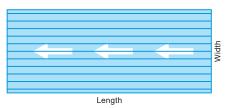
Can be silvered and back painted on request by manufacturer. Pattern Oltreluce Waves © Michele De Lucchi



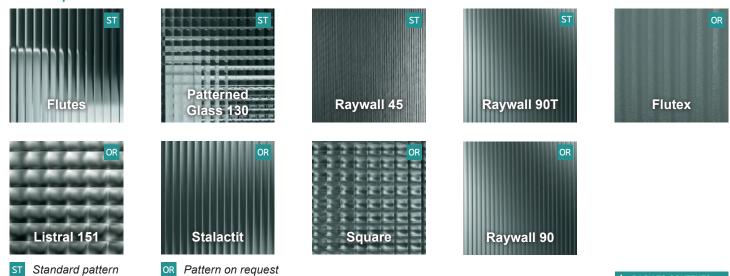
#### Minimum order

Pattern on request: 2 full loads (48 tons)

#### Pattern direction



#### Similar patterns



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# AGC



#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10¹º Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4 mm
Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)
U-value (EN 673)	5.8
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8
Solar transmission / Reflection (EN 410): $\tau e / \rho e / \rho' e$	84/8/8
Solar Factor: g	86
Colour Rendering (EN 410): Ra	99
UV Transmission (EN 410)	63

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

#### AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

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## Patterned Glass 130 CLEAR PATTERNED GLASS

# AGC

#### Description

Lines and stripes deliver a modern look, featuring stark and regular geometry. The combination of vertical and horizontal lines creates unique optics.

#### **Applications**

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>roofs</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

S	Standard Non-stand		n-standard
Thickness (mm)	Dimensions* (length × width in mm)	Thickness (mm)	Maximum dimensions (length × width in mm)
F	2540 x 1850	6	3750 × 2040
5	3350 x 1850	8	- 3730 × 2040

\* maximum dimensions 3750 × 1850 mm

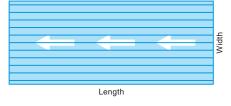
#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	12.5 × 12.5 ± 0.3 mm		3 mm / 1 m	6 mm / 1 m

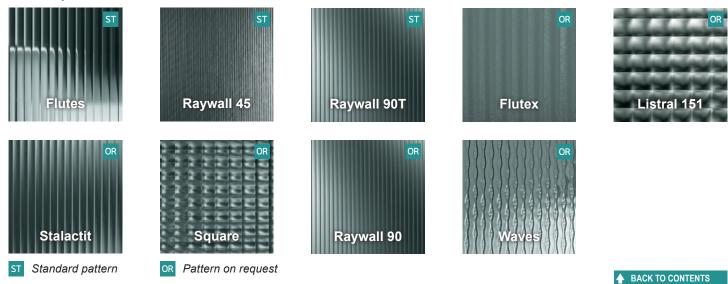
#### **Special information**

None.

## Pattern direction



#### Similar patterns



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## Patterned Glass 130

#### Processability and thickness tolerance

Thickness (mm)		Thickness tolerance	lerance	Lamination	IGU
Standard	Non-standard	(EN 572-5) Tempering	Lamination	190	
5		± 0.5	$\checkmark$	×	$\checkmark$
	6	± 0.5	$\checkmark$	×	$\checkmark$
	8	± 0.5	$\checkmark$	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	C <sub>p</sub>	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

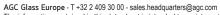
	5 mm	6 mm	8 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	82/7/7	80/7/7	77/7/7
Solar Factor: g	85	83	81
Colour Rendering (EN 410): Ra	99	98	98
UV Transmission (EN 410)	60	57	52

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

#### AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

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## Raywall 45 CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

Lines and stripes deliver a modern look, featuring stark and regular geometry. The combination of vertical and horizontal lines creates unique optics.

#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>wind</li> </ul>
<ul> <li>doors</li> </ul>	<ul> <li>faça</li> </ul>

windows façades atriums

• etc.

## Pattern availability

Sta	andard	
Thickness (mm)	Dimensions* (length × width in mm)	
4	3350 × 1850	
* maximum dimensions 3750 × 1850 mm		

Non-	standard
Thickness (mm)	Maximum dimensions (length × width in mm)
5	
6	2750 4050
8	3750 × 1850
10	

#### Minimum order

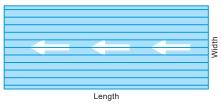
Non-standard thickness: half load can be produced during standard pattern run.

AGC

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	4 ± 0.3 mm		3mm / 1m	—

#### Pattern direction

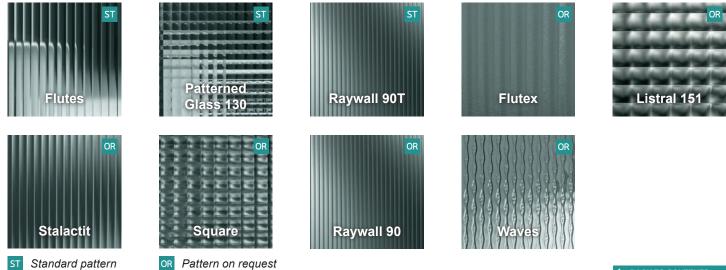


#### Special information

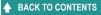
Special functional pattern developed for control of solar gains. In winter period enhances solar gains, in summer provides solar protection. The product as a raster glass is intended for geographical areas in the latitude between 45° and 55°.

The aforementioned pattern is sufficient to cover the needs for summertime shading in the concerned geographical latitudes, namely for roofs having the ramp in range from 35 to 40°.

#### Similar patterns







## Raywall 45

#### Processability and thickness tolerance

Thickn	ess (mm)	Thickness tolerance	Tomporing	Lamination	IGU
Standard	Non-standard	(EN 572-5)	Tempering	Lammation	160
4		± 0.5	×	✓*	$\checkmark$
	5	± 0.5	×	✓*	$\checkmark$
	6	± 0.5	×	✓*	$\checkmark$
	8	± 0.8	×	✓*	×
	10	± 1.0	×	$\checkmark^{\star}$	×

\* Lamination test before first production run is strictly recommended.

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4mm	5mm	6 mm	8 mm	10 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)	34 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8	86/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7	74/7/7
Solar Factor: g	86	85	83	81	79
Colour Rendering (EN 410): Ra	99	99	98	98	97
UV Transmission (EN 410)	63	60	57	52	48

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

#### AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

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## Raywall 90 CLEAR PATTERNED GLASS

#### Description

Lines and stripes deliver a modern look, featuring stark and regular geometry. The combination of vertical and horizontal lines creates unique optics.

#### **Applications**

doors

 windows atriums façades • etc.

## Pattern availability

On	request
Thickness (mm)	Maximum dimensions (length x width in mm)
5	
6	3750 x 1850
8	3750 X 1650
10	

#### Pattern description

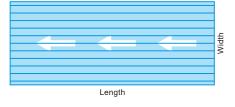
Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	7.5 ± 0.3 mm		3mm / 1 m	—

3mm / 1 m —	Relief	pattern deviation	pattern deviation
		3mm / 1 m	—

Minimum order

(48 tons)

#### Pattern direction:

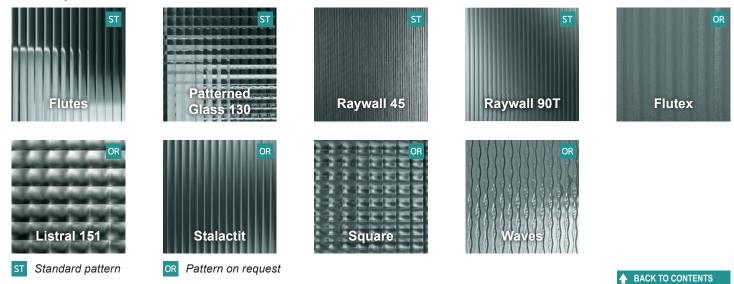


#### **Special information**

Special functional pattern developed for control of solar gains. In winter period enhances solar gains, in summer provides solar protection. The product as a raster glass is intended for geographical areas in the latitude between 45° and 55°.

The raster reflects the direct component of solar radiation in range from 48 to 61° (elevation of Sun).

#### Similar patterns



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Pattern on request: 2 full loads

# AGC

## Raywall 90

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
5	± 0.5	×	✓*	$\checkmark$
6	± 0.5	×	✓*	$\checkmark$
8	± 0.8	×	✓*	×
10	± 1.0	×	✓*	×

\* Lamination test before first production run is strictly recommended.

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	5 mm	6 mm	8 mm	10 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)	34 (-2,-3)
U-value (EN 673)	5.8	5.7	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	89/8/8	89/8/8	87/8/8	86/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	82/7/7	80/7/7	77/7/7	74/7/7
Solar Factor: g	85	83	81	79
Colour Rendering (EN 410): Ra	99	98	98	97
UV Transmission (EN 410)	60	57	52	48

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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## Raywall 90T CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

Lines and stripes deliver a modern look, featuring stark and regular geometry. The combination of vertical and horizontal lines creates unique optics.

#### Applications

• doors

windowsfaçades

atriums

• etc.

## Pattern availability

Standard				
Thickness (mm)	Dimensions* (length × width in mm)			
4	3350 × 1850			
6	3350 × 1850			
8	2130 × 1850			
õ	3350 × 1850			

\* maximum dimensions 3750 × 1850 mm

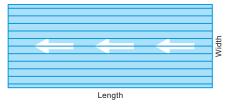
#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	7.5 ± 0.3 mm		3 mm / 1 m	—

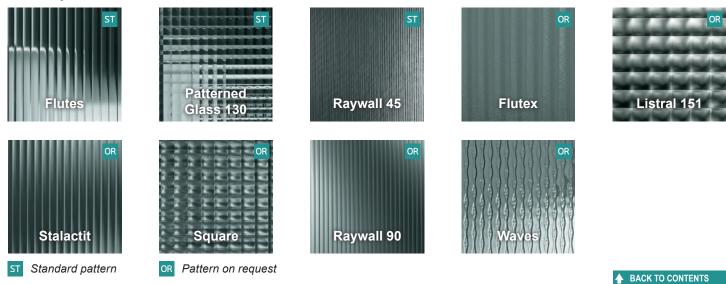
## Minimum order

Non-standard thickness: half load can be produced during standard pattern run

#### Pattern direction:



#### Similar patterns



Non-standard

Maximum dimensions

(length × width in mm)

3750 × 1850

Thickness

(mm)

5

10

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AGC

## Raywall 90T

#### Processability and thickness tolerance

Thickn	ess (mm)	Thickness tolerance	Tomporing	Lamination	IGU
Standard	Non-standard	(EN 572-5)	(EN 572-5) Tempering Lamin		190
4		± 0.5	$\checkmark$	✓*	$\checkmark$
	5	± 0.5	$\checkmark$	✓*	$\checkmark$
6		± 0.5	$\checkmark$	✓*	$\checkmark$
8		± 0.8	$\checkmark$	✓*	×
	10	± 1.0	$\checkmark$	✓*	×

\* Lamination test before first production run is strictly recommended.

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4 mm	5mm	6 mm	8 mm	10 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-1,-2)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)	34 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	89/8/8	89/8/8	89/8/8	87/8/8	86/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	82/7/7	82/7/7	80/7/7	77/7/7	74/7/7
Solar Factor: g	85	85	83	81	79
Colour Rendering (EN 410): Ra	99	99	98	98	97
UV Transmission (EN 410)	63	60	57	52	48

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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## Square CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

Lines and stripes deliver a modern look, featuring stark and regular geometry. The combination of vertical and horizontal lines creates unique optics.

#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>windows</li> </ul>
<ul> <li>doors</li> </ul>	<ul> <li>façades</li> </ul>

• atriums • etc.

#### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
5	3750 × 1610	

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	$18 \times 18 \pm 0.3$ mm		3 mm / 1 m	6 mm / 1 m

#### Special information

None.

#### Minimum order

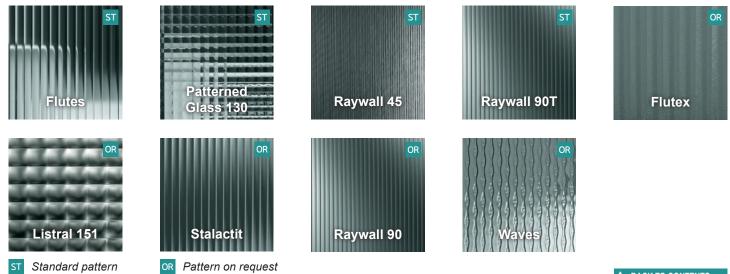
Pattern on request: 2 full loads (48 tons)

#### Pattern direction



Length

#### Similar patterns



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## Square

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
5	± 0.5	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	C <sub>p</sub>	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	5mm
Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): $R_{_{w}}$ (C; $C_{_{tr}}$ )	30 (-1,-2)
U-value (EN 673)	5.8
Light transmission / Reflection (EN 410): $\tau v$ / $\rho v$ / $\rho'$	89/8/8
Solar transmission / Reflection (EN 410): $\tau e$ / $\rho e$ / $\rho' e$	82/7/7
Solar Factor: g	85
Colour Rendering (EN 410): Ra	99
UV Transmission (EN 410)	60

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## Stalactit CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

Lines and stripes deliver a modern look, featuring stark and regular geometry. The combination of vertical and horizontal lines creates unique optics.

#### Applications

furniture

doors

showers

• windows

atriums

roofs

• etc.

partitions

façades

#### Pattern availability

On request		
Thickness Maximum dimen (mm) (length × width in		
4		
5	3750 × 1650	
6		

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	12.5 ± 0.3 mm		3 mm / 1 m	—

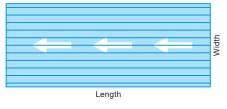
#### Special information

None.

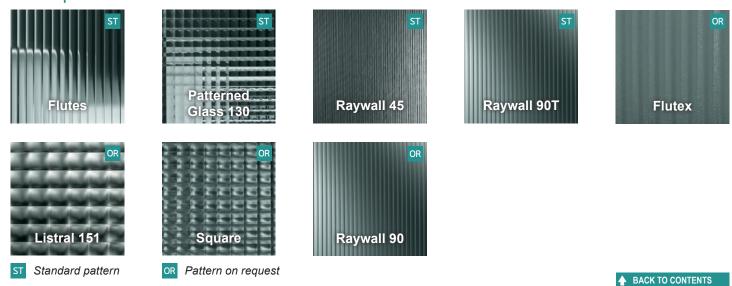
## Minimum order

Pattern on request: 2 full loads (48 tons)

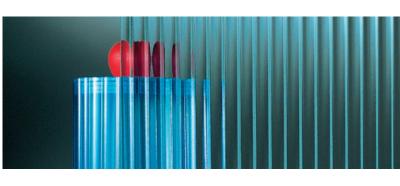
#### Pattern direction



#### Similar patterns



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## Stalactit

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	4mm	5mm	6 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7
Solar Factor: g	86	85	83
Colour Rendering (EN 410): Ra	99	99	98
UV Transmission (EN 410)	63	60	57

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# Atlantic CLEAR PATTERNED GLASS

AGC

#### Description

The Cathedrals pattern features pitting and irregular, broken lines. Grainy designs deliver superb privacy.

#### **Applications**

- furniture
- doors
- façades • etc.

- showers • partitions
- windows greenhouses
- atriums roofs
- Pattern availability

Non-standard		
Thickness (mm)	Maximum dimensions (length × width in mm)	
4	3350 × 1850	
5		
6	3750 × 2040	
8		

#### Minimum order

Pattern on request: 2 full loads (48 tons)

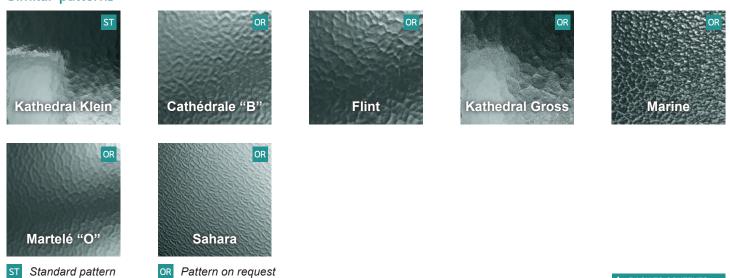
## Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	_

#### Special information

Also available on request with an embedded wire mesh.

#### Similar patterns





## Atlantic

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	4 mm	5mm	6mm	8 mm
Resistance to fire (EN 13501-2)		NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
UV Transmission (EN 410)	63	60	57	52

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# Cathédrale "B" CLEAR PATTERNED GLASS

IMAGIN

#### Description

The Cathedrals pattern features pitting and irregular, broken lines. Grainy designs deliver superb privacy.

#### Applications

- furniture
- doors
- façades etc.

- showers
- windows atriums
- partitions
- greenhouses roofs

#### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
4		
5	3750 × 1850	
6	3750 * 1850	
8		

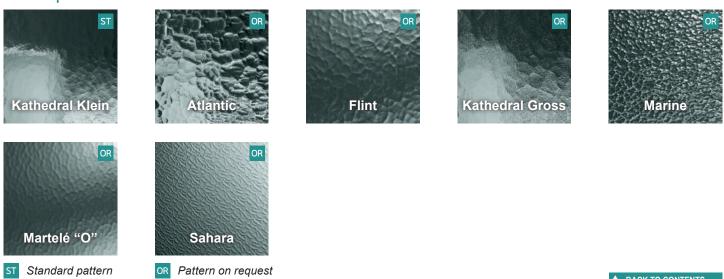
## Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

#### **Special information**

None.

#### Similar patterns



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Minimum order

Pattern on request: 2 full loads (48 tons)





## Cathédrale "B"

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4mm	5mm	6 mm	8 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
UV Transmission (EN 410)	63	60	57	52

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# **Flint** CLEAR PATTERNED GLASS

IMAGIN

#### Description

The Cathedrals pattern features pitting and irregular, broken lines. Grainy designs deliver superb privacy.

#### Applications

- furniture
- doors
- façades etc.

- showers
- windows atriums
- partitions
- greenhouses roofs
- Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
4		
5	3750 × 2040	
6	3750 × 2040	
8		

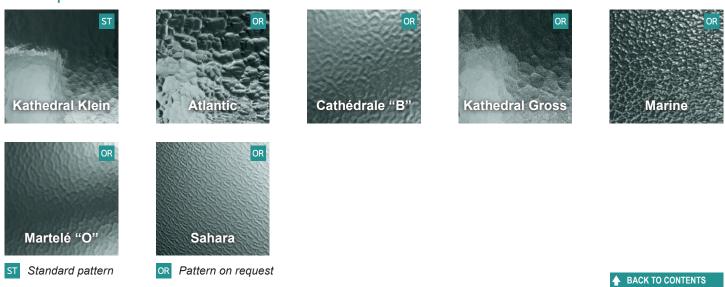
## Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

#### Special information

None.

#### Similar patterns



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#### Minimum order

**Pattern on request:** 2 full loads (48 tons)



#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	4 mm	5mm	6mm	8 mm
Resistance to fire (EN 13501-2)		NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
UV Transmission (EN 410)	63	60	57	52

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UK 03/202

# **Kathedral Gross** CLEAR PATTERNED GLASS

#### Description

The Cathedrals pattern features pitting and irregular, broken lines. Grainy designs deliver superb privacy.

#### **Applications**

- furniture
  - doors
- façades • etc.

- showers
- windows atriums
- partitions
- roofs greenhouses

Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
4		
5	3750 × 2040	
6	3750 * 2040	
8		

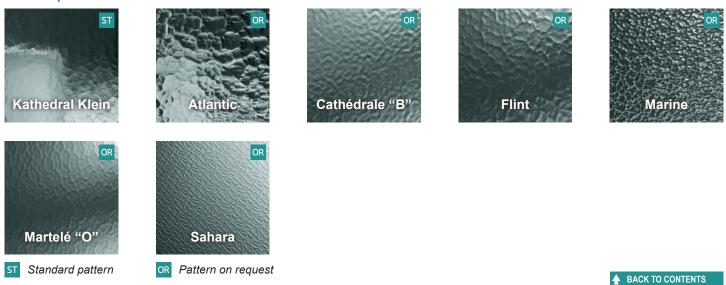
## Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

#### **Special information**

None.

#### Similar patterns





#### Minimum order

Pattern on request: 2 full loads (48 tons)





## Kathedral Gross

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	C <sub>p</sub>	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	4mm	5 mm	6mm	8 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
UV Transmission (EN 410)	63	60	57	52

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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# Kathedral Klein CLEAR PATTERNED GLASS

#### Description

The Cathedrals pattern features pitting and irregular, broken lines. Grainy designs deliver superb privacy.

#### **Applications**

• furniture

• partitions

- showers
- doors façades • windows
- greenhouses
- atriums roofs

#### Pattern availability

Standard				
Thickness Dimensions* (mm) (length × width in mm				
4	2540 x 1850			
	3350 × 2040			

\* maximum dimensions 3750 × 2040mm

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

#### Special information

Perfect solution for greenhouses thanks to good light transmission together with diffusion of solar radiation.

• etc.

Thickness

(mm)

5 6

8

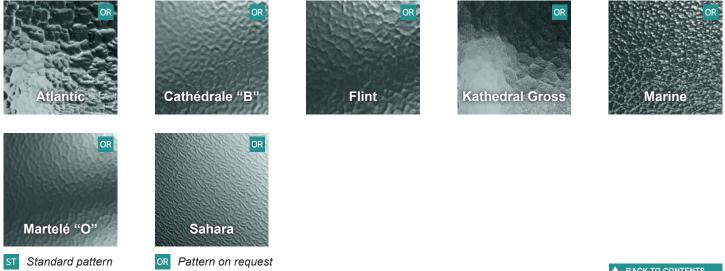
Non-standard

Maximum dimensions

(length × width in mm)

3750 × 2040

#### Similar patterns

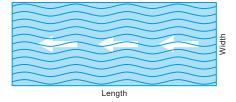


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#### Minimum order

Non-standard thickness: half load can be produced during standard pattern run.

#### Pattern direction









## Kathedral Klein

#### Processability and thickness tolerance

Thickne	Thickness (mm)		Thickness tolerance	Lamination	IGU
Standard	Non-standard	(EN 572-5)	Tempering	Lammation	160
4		± 0.5	$\checkmark$	×	$\checkmark$
	5	± 0.5	$\checkmark$	×	$\checkmark$
	6	± 0.5	$\checkmark$	×	$\checkmark$
	8	± 0.8	$\checkmark$	×	×

#### Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### **Compliance with European standards**

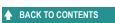
AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4mm	5 mm	6mm	8 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
UV Transmission (EN 410)	63	60	57	52

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

#### AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

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## Marine CLEAR PATTERNED GLASS

IMAGIN

#### Description

The Cathedrals pattern features pitting and irregular, broken lines. Grainy designs deliver superb privacy.

#### Applications

- furniture
- doors
- façades etc.

- showers
- windows atriums
- partitions
- greenhouses roofs

#### Pattern availability

On request					
Thickness (mm)	Maximum dimensions (length × width in mm)				
4					
5	3750 × 2040				
6	3750 * 2040				
8	-				

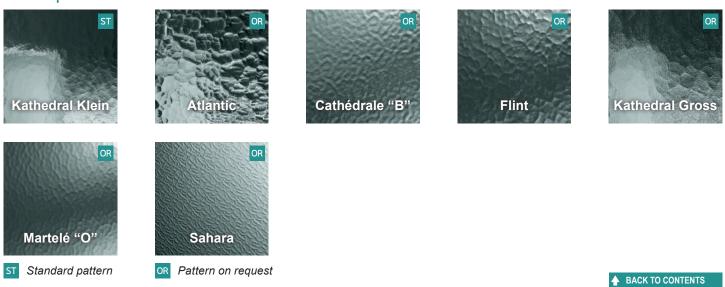
#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

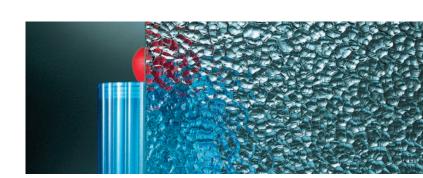
#### Special information

None.

#### Similar patterns



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#### Minimum order

Pattern on request: 2 full loads (48 tons)



## Marine

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4 mm	5mm	6mm	8 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
UV Transmission (EN 410)	63	60	57	52

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# Martelé "O" CLEAR PATTERNED GLASS

IMAGIN

#### Description

The Cathedrals pattern features pitting and irregular, broken lines. Grainy designs deliver superb privacy.

#### Applications

- furniture
- doors
- façades etc.

- showers
- windows atriums
- partitions
- greenhouses roofs

#### Pattern availability

On request				
Thickness (mm)	Maximum dimensions (length × width in mm)			
4				
5	3750 × 1850			
6	3750 × 1850			
8				

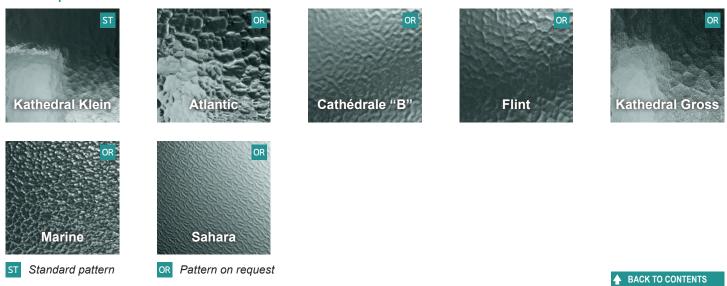
## Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

#### **Special information**

None.

#### Similar patterns



#### Minimum order

Pattern on request: 2 full loads (48 tons)

AGC

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## Martelé "O"

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4mm	5mm	6 mm	8 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
UV Transmission (EN 410)	63	60	57	52

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## Sahara CLEAR PATTERNED GLASS

IMAGIN

#### Description

The Cathedrals pattern features pitting and irregular, broken lines. Grainy designs deliver superb privacy.

#### Applications

- furniture
- doors windows
- façades etc.

- showers
- ows atriums
- partitions
- greenhouses roofs

#### Pattern availability

On request				
Thickness (mm)	Maximum dimensions (length × width in mm)			
4				
5	3750 × 2040			
6	3750 * 2040			
8				

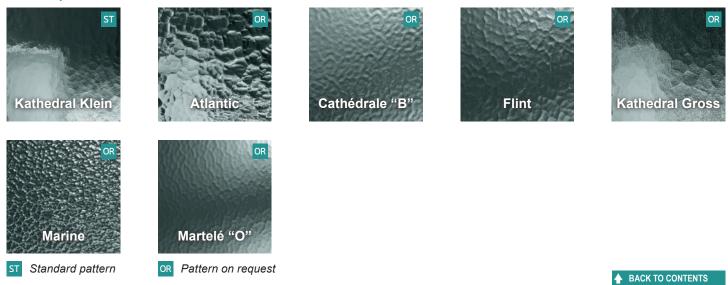
#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

#### Special information

None.

#### Similar patterns





AGC

#### Minimum order

Pattern on request: 2 full loads (48 tons)

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## Sahara

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10¹º Pa
Poisson's ratio	μ	0.2
Specific heat capacity	C <sub>p</sub>	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4mm	5 mm	6mm	8 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
UV Transmission (EN 410)	63	60	57	52

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## **Denim** CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

A repeating symphony of superfine dots and points yields subtle designs capable of hiding objects behind the glass.

#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>roofs</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

On request			
Thickness (mm)	Maximum dimensions (length × width in mm)		
4			
5	3750 × 2040		
6			

## Pattern description

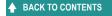
Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	2.3 × 2.3 mm	—	3 mm / 1 m	8 mm / 1 m

#### **Special information**

Double sided pattern: pattern Krizet on the bottom side and pattern Crepi on the top side. Also available on request with an embedded wire mesh.

#### Similar patterns





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#### Minimum order

Pattern on request: 2 full loads (48 tons)



## Denim

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit	
Density	ρ	2500 kg/m <sup>3</sup>	
Young's modulus	E	7 × 10 <sup>10</sup> Pa	
Poisson's ratio	μ	0.2	
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)	
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K	
Thermal conductivity	λ	1 W/(m.K)	
Emissivity	3	0.89	

#### Compliance with European standards

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	4mm	5mm	6mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7
Solar Factor: g	86	85	83
Colour Rendering (EN 410): Ra	99	99	98
UV Transmission (EN 410)	63	60	57

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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## Galette CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

A repeating symphony of superfine dots and points yields subtle designs capable of hiding objects behind the glass.

#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>roofs</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

On request			
Thickness (mm)	Maximum dimensions (length × width in mm)		
4			
5	3750 × 2040		
6			

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	3 × 3 ± 0.2 mm	—	3 mm / 1 m	8 mm / 1 m

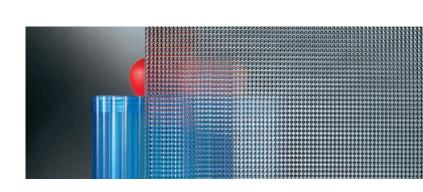
#### **Special information**

None.

#### Similar patterns







#### Minimum order

Pattern on request: 2 full loads (48 tons)

AGC



## Galette

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4 mm	5 mm	6 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7
Solar Factor: g	86	85	83
Colour Rendering (EN 410): Ra	99	99	98
UV Transmission (EN 410)	63	60	57

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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## **Krizet** CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

A repeating symphony of superfine dots and points yields subtle designs capable of hiding objects behind the glass.

#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>roofs</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
4	2540 × 1850	
5	3750 × 2040	
6	3750 × 2040	

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	2.3 × 2.3 ± 0.2 mm	—	3 mm / 1 m	8 mm / 1 m

#### **Special information**

None.

#### Similar patterns







#### Minimum order

Pattern on request: 2 full loads (48 tons)



# AGC

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	✓*	$\checkmark$
5	± 0.5	$\checkmark$	✓*	$\checkmark$
6	± 0.5	$\checkmark$	✓*	$\checkmark$

\* Lamination test before first production run is strictly recommended.

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	4mm	5mm	6mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7
Solar Factor: g	86	85	83
Colour Rendering (EN 410): Ra	99	99	98
UV Transmission (EN 410)	63	60	57

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

#### AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

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## Screen® CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

A repeating symphony of superfine dots and points yields subtle designs capable of hiding objects behind the glass.

#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>roofs</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

Standard

\* maximum dimensions 3750 × 1850 mm

#### Pattern availability

Thickness

(mm)

4

indard	Non	Non-standard		
Dimensions* (length × width in mm)	Thickness (mm)	Maximum dimensions (length × width in mm)		
2540 × 1850	3			
3350 × 1850	5	0750 - 4050		
ons 3750 × 1850mm	6	3750 × 1850		
	8			

#### Minimum order

Non-standard thickness: half load can be produced during standard pattern run.

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	1 × 1 mm	—	—	—

#### Special information

None.

#### Similar patterns











#### Processability and thickness tolerance

Thickn	ess (mm)	Thickness tolerance	Tomporing	Thickness tolerance (EN 572-5)TemperingLamination	
Standard	Non-standard	(EN 572-5)			
	3	± 0.5	$\checkmark$	$\checkmark^{\star}$	×
4		± 0.5	$\checkmark$	✓*	$\checkmark$
	5	± 0.5	$\checkmark$	✓*	$\checkmark$
	6	± 0.5	$\checkmark$	✓*	$\checkmark$
	8	± 0.8	$\checkmark$	$\checkmark^{\star}$	$\checkmark$

\* Lamination test before first production run is strictly recommended.

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	3mm	4mm	5mm	6mm	8mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	29 (-2,-5)	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	86/8/8	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	87	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	99	98	98
UV Transmission (EN 410)	67	63	60	57	52

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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# Bucny

#### Description

Does your interior require rounded elements? Choose a pattern that includes circles and ovals. Opt for tiny lenses or regular circles.

#### **Applications**

<ul> <li>furniture</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>atriums</li> </ul>
• doors	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

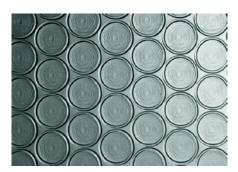
On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
5	3750 × 2040	

### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	ø 50 mm	—	_	_

## **Special information**

None.



AGC

#### Minimum order

Pattern on request: 2 full loads (48 tons)

#### Pattern direction



Length

## Similar patterns OF OR Konfeta D S Circles

OR Pattern on request



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## Bucny

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
5	± 0.5	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	5mm
Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): $R_{_{w}}$ (C; $C_{_{tr}}$ )	30 (-1,-2)
U-value (EN 673)	5.8
Light Transmission / Reflection (EN 410): $\tau v$ / $\rho v$ / $\rho$ '	89/8/8
Solar Transmission / Reflection (EN 410): $\tau e$ / $\rho e$ / $\rho$ 'e	82/7/7
Solar Factor: g	85
Colour Rendering (EN 410): Ra	99
UV Transmission (EN 410)	60

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#### Description

Does your interior require rounded elements? Choose a pattern that includes circles and ovals. Opt for tiny lenses or regular circles.

#### Applications

- furniture
- doors atriums • windows roofs

• etc.

 showers partitions

façades

#### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
4		
5	3750 × 2040	
6	3750 * 2040	
8		

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

#### Special information

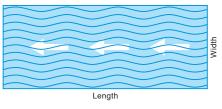
Also available with an embedded wire mesh as standard wired patterned glass.



#### Minimum order

Pattern on request: 2 full loads (48 tons)

#### Pattern direction



## Similar patterns OR Konfeta S Circles

OR Pattern on request





#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	4mm	5mm	6mm	8mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
UV Transmission (EN 410)	63	60	57	52

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UK 03/202

# Konfeta

# AGC

#### Description

Does your interior require rounded elements? Choose a pattern that includes circles and ovals. Opt for tiny lenses or regular circles.

#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>roofs</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
4	1200 × 1850	
5		
6	3750 × 2040	
8		
10	3750 × 1850	

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

#### **Special information**

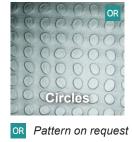
Also available on request with an embedded wire mesh.



#### Minimum order

Pattern on request: 2 full loads (48 tons)

#### Similar patterns









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## Konfeta

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×
10	± 1.0	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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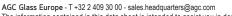
	4mm	5mm	6mm	8 mm	10 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)	34 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7	5.7	5.7
Light transmission / Reflection (EN 410): τv / ρv / ρ'	90/8/8	89/8/8	89/8/8	87/8/8	86/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7	74/7/7
Solar Factor: g	86	85	83	81	79
Colour Rendering (EN 410): Ra	99	99	98	98	97
UV Transmission (EN 410)	63	60	57	52	48

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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# **OLTRELUCE Circles**<sup>®</sup>

#### Description

Does your interior require rounded elements? Choose a pattern that includes circles and ovals. Opt for tiny lenses or regular circles.

#### **Applications**

• furniture

doors

showers

• windows

atriums

roofs

• etc.

partitions

façades

#### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
4		
5		
6	3750 x 2040	
8		
10		

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	_	—	3mm / 1m	6mm / 1m

#### **Special information**

Can be silvered and back painted on request by manufacturer. Pattern Oltreluce Circles © Michele De Lucchi

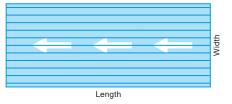


#### Minimum order

Pattern on request: 2 full loads (48 tons).

AGC

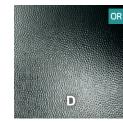
#### Pattern direction



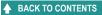
#### Similar patterns











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## OLTRELUCE **Circles**®

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×
10	± 1.0	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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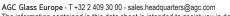
	4mm	5mm	6mm	8 mm	10 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)	34 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8	86/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7	74/7/7
Solar Factor: g	86	85	83	81	79
Colour Rendering (EN 410): Ra	99	99	98	98	97
UV Transmission (EN 410)	63	60	57	52	48

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## **"S"** CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

Does your interior require rounded elements? Choose a pattern that includes circles and ovals. Opt for tiny lenses or regular circles.

#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>atriums</li> </ul>
<ul> <li>showers</li> </ul>	<ul> <li>windows</li> </ul>	<ul> <li>roofs</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>façades</li> </ul>	• etc.

#### Pattern availability

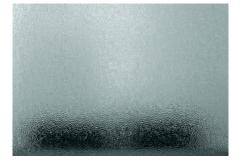
On request					
Thickness (mm)	Maximum dimensions (length × width in mm)				
4					
5	3750 × 2040				
6	3750 * 2040				
8					

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

#### **Special information**

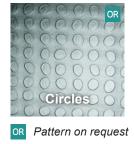
Also available with an embedded wire mesh as standard wired patterned glass.



### Minimum order:

**Pattern on request:** 2 full loads (48 tons)

#### Similar patterns

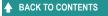














#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	4 mm	5mm	6mm	8 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
UV Transmission (EN 410)	63	60	57	52

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

#### AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

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## **Galaxy** CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

Textures resembling wallpaper designs and twisted textile fibres deliver unique and distinctive structures.

#### Applications

furniture

doors

showers

windows

partitions

façades

atriums

roofs

• etc.

#### Pattern availability

On request					
Thickness (mm)	Maximum dimensions (length × width in mm)				
4					
5	3750 × 1850				
6					

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

#### Special information

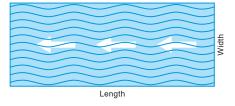
None.

#### Minimum order:

**Pattern on request:** 2 full loads (48 tons)

AGC

#### Pattern direction:



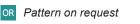
## Similar patterns:













## Galaxy

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4mm	5mm	6mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7
Solar Factor: g	86	85	83
Colour Rendering (EN 410): Ra	99	99	98
UV Transmission (EN 410)	63	60	57

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## Listral 77 CLEAR PATTERNED GLASS

IMAGIN

#### Description

Textures resembling wallpaper designs and twisted textile fibres deliver unique and distinctive structures.

#### Applications

• furniture • doors

• windows façades

 atriums • etc.

#### Pattern availability

On request				
Thickness (mm)	Maximum dimensions (length × width in mm)			
4				
5	3750 × 1850			
6				

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

### **Special information**

Similar patterns

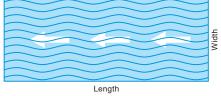
OR

Also available on request with an embedded wire mesh.

## Minimum order

Pattern on request: 2 full loads (48 tons)

#### Pattern direction

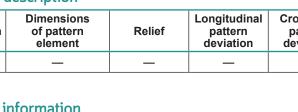


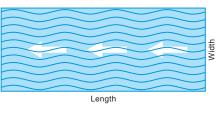
#### OR OR Galaxy Travertino Tweed Twist Pattern on request

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# AGC





## Listral 77

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	×	×	$\checkmark$
5	± 0.5	×	×	$\checkmark$
6	± 0.5	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	4mm	5mm	6mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7
Solar Factor: g	86	85	83
Colour Rendering (EN 410): Ra	99	99	98
UV Transmission (EN 410)	63	60	57

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# Travertino

#### IMAGIN

#### Description

Textures resembling wallpaper designs and twisted textile fibres deliver unique and distinctive structures.

#### Applications

• furniture

• doors

showers

• windows

partitions

façades

atriums

roofs

• etc.

#### Pattern availability

On request			
Thickness (mm)	Maximum dimensions (length × width in mm)		
4			
5	3750 × 1850		
6			

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

#### **Special information**

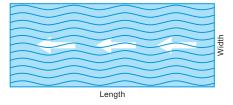
None.

#### Minimum order

Pattern on request: 2 full loads (48 tons)

AGC

#### Pattern direction



## Similar patterns



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## Travertino

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	4mm	5mm	6mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7
Solar Factor: g	86	85	83
Colour Rendering (EN 410): Ra	99	99	98
UV Transmission (EN 410)	63	60	57

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## **Tweed** CLEAR PATTERNED GLASS

#### IMAGIN

#### Description

Textures resembling wallpaper designs and twisted textile fibres deliver unique and distinctive structures.

#### Applications

furniture

doors

atriums

roofs

• etc.

showerspartitions

• windows • façades

Pattern availability

On	request
Thickness (mm)	Maximum dimensions (length × width in mm)
4	
5	3750 × 1850
6	3750 * 1650
8	

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

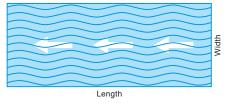
#### Special information

None.

#### Minimum order

**Pattern on request:** 2 full loads (48 tons)

#### Pattern direction



#### Similar patterns













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## Tweed

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4mm	5mm	6 mm	8 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7
Solar Factor: g	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
UV Transmission (EN 410)	63	60	57	52

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UK 03/202

# Twist

#### IMAGIN

#### Description

Textures resembling wallpaper designs and twisted textile fibres deliver unique and distinctive structures.

#### **Applications**

•	furniture	

• doors

showers

windows

partitions

façades

atriums

roofs

• etc.

#### Pattern availability

On request			
Thickness (mm)	Maximum dimensions (length × width in mm)		
4			
5	3750 × 1850		
6			

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

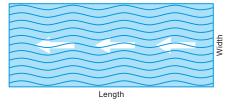
#### **Special information**

None.

#### Minimum order

Pattern on request: 2 full loads (48 tons)

#### Pattern direction



#### Similar patterns:









Pattern on request



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## AGC



#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	4 mm	5mm	6mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7
Solar Factor: g	86	85	83
Colour Rendering (EN 410): Ra	99	99	98
UV Transmission (EN 410)	63	60	57

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UK 03/202

# Alexandria

#### Description

These patterns use hieroglyphs from ancient civilizations as graphic design elements.

#### Applications

• furniture

• doors atriums roofs

 showers partitions

 windows façades

• etc.

## Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
4		
5	3750 × 2040	
6		

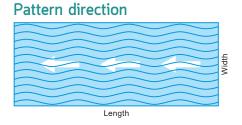
#### Pattern description

Direction	Dimensions of pattern element	Relief	Relief Longitudinal Relief pattern deviation	Crosswise pattern deviation	
Yes	—	—	—	—	

### **Special information**

Also available on request with an embedded wire mesh.

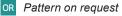
Pattern on request: 2 full loads



#### Similar patterns













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Minimum order

(48 tons)

## AGC

## Alexandria

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4mm	5mm	6mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7
Solar Factor: g	86	85	83
Colour Rendering (EN 410): Ra	99	99	98
UV Transmission (EN 410)	63	60	57

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## Farao CLEAR PATTERNED GLASS

IMAGIN

#### Description

These patterns use hieroglyphs from ancient civilizations as graphic design elements.

#### Applications

furniture

• doors

• showers

• windows • façades

partitions

es • etc.

atriums

roofs

## Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
4		
5		
6	3750 × 1850	
8		
10		

## Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	_

### Special information

None.

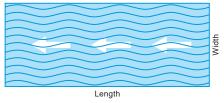


#### Minimum order

**Pattern on request:** 2 full loads (48 tons)

AGC

#### Pattern direction



#### Similar patterns









#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	×	×	$\checkmark$
5	± 0.5	×	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$
8	± 0.8	$\checkmark$	×	×
10	± 1.0	$\checkmark$	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	4mm	5mm	6 mm	8 mm	10 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1	A1	A1
External fire performances	NPD	NPD	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)	34 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8	87/8/8	86/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7	77/7/7	74/7/7
Solar Factor: g	86	85	83	81	79
Colour Rendering (EN 410): Ra	99	99	98	98	97
UV Transmission (EN 410)	63	60	57	52	48

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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## Maya CLEAR PATTERNED GLASS

IMAGIN

#### Description

These patterns use hieroglyphs from ancient civilizations as graphic design elements.

### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>windows</li> </ul>
• doors	<ul> <li>façades</li> </ul>

#### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
5		
6	3750 × 1850	
8		

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

atriums etc.

### Special information

None.

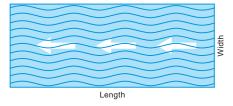
# AGC



#### Minimum order

**Pattern on request:** 2 full loads (48 tons)

#### Pattern direction

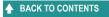


#### Similar patterns:









## Maya

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
5	± 0.5	×	×	$\checkmark$
6	± 0.5	×	×	$\checkmark$
8	± 0.8	×	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	5mm	6mm	8mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	82/7/7	80/7/7	77/7/7
Solar Factor: g	85	83	81
Colour Rendering (EN 410): Ra	99	98	98
UV Transmission (EN 410)	60	57	52

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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UK 03/202

## Nordic CLEAR PATTERNED GLASS

#### Description

These patterns use hieroglyphs from ancient civilizations as graphic design elements.

#### Applications

• furniture

• doors

showers

• windows façades

- partitions
- etc.

atriums

roofs

### Pattern availability

On request					
Thickness Maximum dimension (mm) (length × width in mm)					
4					
5	3750 × 2040				
6					

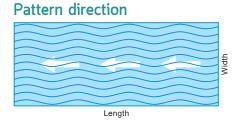
## Pattern description

Direction	Dimensions	Relief Longitudina		Crosswise	
	of pattern	Relief pattern		pattern	
	element	deviation		deviation	
Yes	—	—	—	—	

### **Special information**

Also available on request with an embedded wire mesh.

Pattern on request: 2 full loads



#### Similar patterns



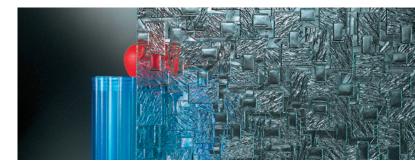








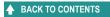
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Minimum order

(48 tons)

# AGC



## Nordic

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
4	± 0.5	$\checkmark$	×	$\checkmark$
5	± 0.5	$\checkmark$	×	$\checkmark$
6	± 0.5	$\checkmark$	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	4 mm	5mm	6 mm
Resistance to fire (EN 13501-2)	NPD	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1	A1
External fire performances	NPD	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	84/8/8	82/7/7	80/7/7
Solar Factor: g	86	85	83
Colour Rendering (EN 410): Ra	99	99	98
UV Transmission (EN 410)	63	60	57

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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## Wired Alexandria CLEAR PATTERNED GLASS

# AGC

#### Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

#### **Applications**

- furniture doors
- partitions

 fire-resistant barriers • etc.

## • windows

#### Pattern availability

On request					
Thickness (mm)	Maximum dimensions (length × width in mm)				
7	3750 × 2040				

#### Pattern description

Direction of pattern	of wire mesh	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
Yes	1/2"× 1/2"	—	—	—	12 mm / 1 m

### Special information

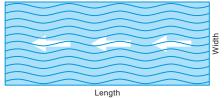
The dimensions of each wire mesh element is  $1/2^{"} \times 1/2"$ . Not tested for resistance to fire. In case of need check other wired products. Also available on request without a wire mesh as patterned glass.

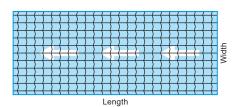


#### Minimum order

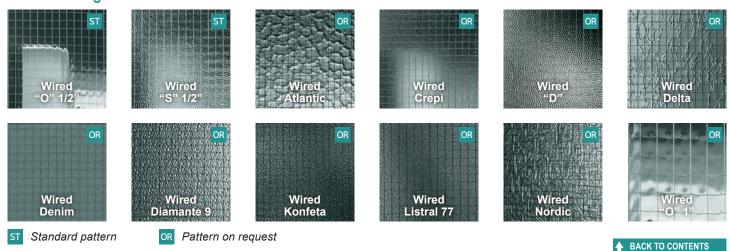
Pattern on request: 2 full loads (48 tons)

#### Pattern and wire mesh direction





#### Other wired glass



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## Wired Alexandria

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
7	± 0.7	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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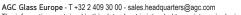
	7 mm
Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): $R_{w}$ (C; $C_{tr}$ )	32 (-1,-2)
U-value (EN 673)	5.7
Light transmission / Reflection (EN 410): τv / ρv / ρ'	88/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	79/7/7
Solar Factor: g	NPD
Colour Rendering (EN 410): Ra	NPD
UV Transmission (EN 410)	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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### Wired Atlantic CLEAR PATTERNED GLASS

#### Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

#### **Applications**

- furniture doors • windows

#### partitions

### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
7	3750 × 2040	

#### Pattern description

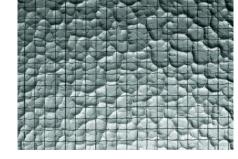
Direction of pattern	of wire mesh	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1/2"× 1/2"	—	—	—	12 mm / 1 m

• etc.

fire-resistant barriers

#### **Special information**

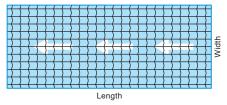
The dimensions of each wire mesh element is  $1/2^{"} \times 1/2"$ . Not tested for resistance to fire. In case of need check other wired products. Also available without a wire mesh as standard patterned glass.



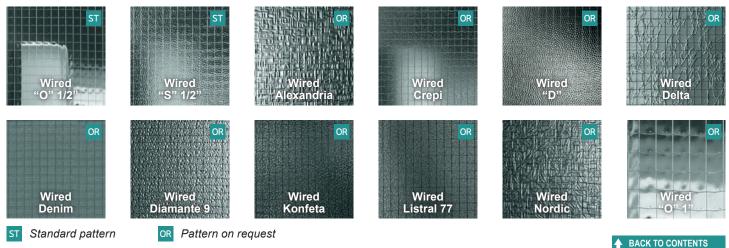
#### Minimum order

Pattern on request: 2 full loads (48 tons)

#### Wire mesh direction



#### Other wired glass



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AGC

### Wired Atlantic

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
7	± 0.7	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	7 mm
Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	32 (-1,-2)
U-value (EN 673)	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	88/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	79/7/7
Solar Factor: g	NPD
Colour Rendering (EN 410): Ra	NPD
UV Transmission (EN 410)	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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JK 03/202

### Wired Crepi CLEAR PATTERNED GLASS

# AGC

**IMAGIN WIRED** 

#### Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.



#### Applications

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>windows</li> </ul>

fire-resistant barriers

• etc.

#### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
6	2540 × 1850	
	3350 × 2040	
7	3750 × 2040	

#### Minimum order

**Pattern on request:** 2 full loads (48 tons)

### Pattern description

Direction of pattern	of wire mech	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1/2" × 1/2"	—	—	—	12 mm / 1 m

#### Special information

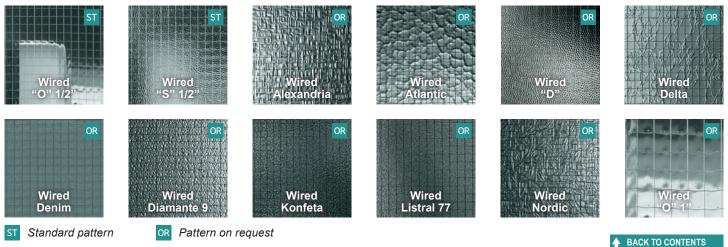
The dimensions of each wire mesh element is 1/2"× 1/2".

Not tested for resistance to fire. In case of need check other wired products.

Also available without a wire mesh as standard patterned glass.

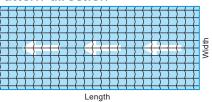
Possibility to produce, On Request only, Wired Safety Glass with 3(B)3 safety level according to EN 12600 (Pendulum Body Impact Test). The thickness of glass = 7mm only

#### Other wired glass



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### Wired Crepi

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
6	± 0.6	×	×	$\checkmark$
7	± 0.7	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	6mm	7 mm
Resistance to fire (EN 13501-2)	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): $R_{_{w}}$ (C; $C_{_{tr}}$ )	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τv / ρv / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): $\tau e$ / $\rho e$ / $\rho' e$	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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## Wired "D" CLEAR PATTERNED GLASS



**IMAGIN WIRED** 

#### Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.



- furnituredoorspartitionswindows
- fire-resistant barriers

• etc.

#### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
6	3750 × 2040	
7	3750 x 2040	



#### Minimum order

**Pattern on request:** 2 full loads (48 tons)

#### Pattern description

Direction of pattern	of wire mesh	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
Yes	1/2" × 1/2"	—	_	—	12 mm / 1 m

#### Special information

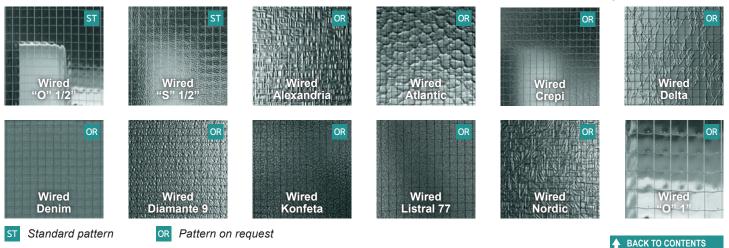
The dimensions of each wire mesh element is  $1/2" \times 1/2"$ .

Not tested for resistance to fire.

Also available on request without a wire mesh as patterned glass.

Possibility to produce, On Request only, Wired Safety Glass with 3(B)3 safety level according to EN 12600 (Pendulum Body Impact Test). The thickness of glass = 7mm only

#### Other wired glass



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Pattern and wire mesh direction

Length

Length

Width

### Wired "D"

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
6	± 0.6	×	×	$\checkmark$
7	± 0.7	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	6 mm	7 mm
Resistance to fire (EN 13501-2)	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): $\tau e$ / $\rho e$ / $\rho$ 'e	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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### Wired Delta® CLEAR PATTERNED GLASS

IMAGIN WIRED

#### Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

#### Applications

furniture
partitions
doors
windows

fire-resistant barriers

• etc.

#### Pattern availability

On request					
Thickness (mm)	Maximum dimensions (length × width in mm)				
6	3750 × 1850				
7	3/30 × 1830				

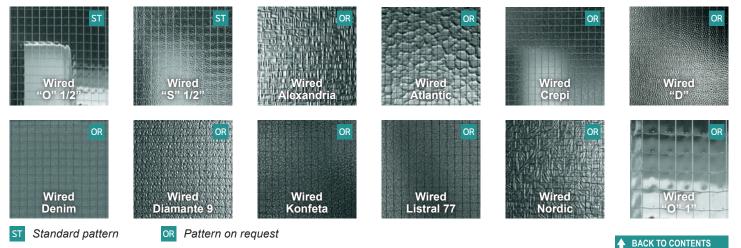
#### Pattern description

Direction of pattern	of wire mesh	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
Yes	1/2"× 1/2"	—	—	—	12 mm / 1 m

#### Special information

The dimensions of each wire mesh element is 1/2"× 1/2". Not tested for resistance to fire. In case of need check other wired products. Also available without a wire mesh as standard patterned glass.

#### Other wired glass

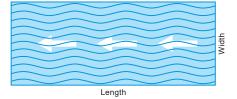


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### Minimum order

**Pattern on request:** 2 full loads (48 tons)

#### Pattern and wire mesh direction



Length





### Wired Delta<sup>®</sup>

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
6	± 0.6	×	×	$\checkmark$
7	± 0.7	×	×	$\checkmark$

#### Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### **Compliance with European standards**

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	6mm	7 mm
Resistance to fire (EN 13501-2)	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

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UK 03/202

### Wired Denim CLEAR PATTERNED GLASS

**IMAGIN WIRED** 

#### Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

#### **Applications**

- furniture doors • windows
- partitions

fire-resistant barriers

• etc.

#### Pattern availability

On request					
Thickness (mm)	Maximum dimensions (length × width in mm)				
7	3750 × 2040				

#### Pattern description

Direction of pattern	of wire mesh	Dimensions of pattern element	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1/2" × 1/2"	2.3 × 2.3 mm	3mm / 1m	8 mm / 1 m	12 mm / 1 m

### Wire mesh direction

Minimum order

(48 tons)

Length

Pattern on request: 2 full loads

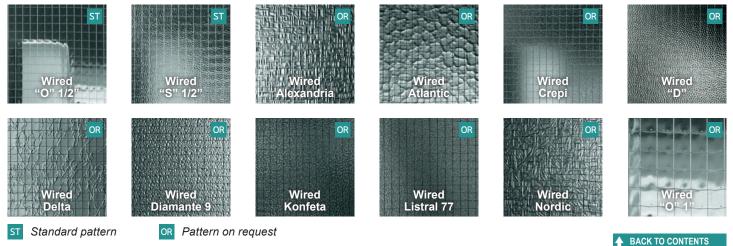
#### **Special information**

Double sided pattern: pattern Krizet on the bottom side and pattern Crepi on the top side. The dimensions of each wire mesh element is  $1/2" \times 1/2"$ .

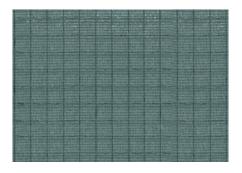
Not tested for resistance to fire. In case of need check other wired products.

Also available on request without a wire mesh as patterned glass.

### Other wired glass



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# AGC

### Wired Denim

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
7	± 0.7	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10¹º Pa
Poisson's ratio	μ	0.2
Specific heat capacity	C <sub>p</sub>	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	7 mm
Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	32 (-1,-2)
U-value (EN 673)	5.7
Light transmission / Reflection (EN 410): τv / ρv / ρ'	88/8/8
Solar transmission / Reflection (EN 410): $\tau e$ / $\rho e$ / $\rho' e$	79/7/7
Solar Factor: g	NPD
Colour Rendering (EN 410): Ra	NPD
UV Transmission (EN 410)	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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### Wired Diamante 9 CLEAR PATTERNED GLASS

#### Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

#### **Applications**

- furniture doors
- partitions

 fire-resistant barriers • windows • etc.

#### Pattern availability

On	request
Thickness (mm)	Maximum dimensions (length × width in mm)
7	3750 × 2040

#### Pattern description

Direction of pattern	of wire mesh	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
Yes	1/2"× 1/2"	_	—	_	12 mm / 1 m

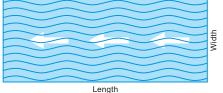
#### Special information

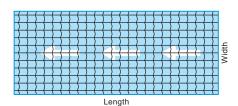
The dimensions of each wire mesh element is  $1/2^{"} \times 1/2"$ . Not tested for resistance to fire. In case of need check other wired products. Also available without a wire mesh as standard patterned glass.



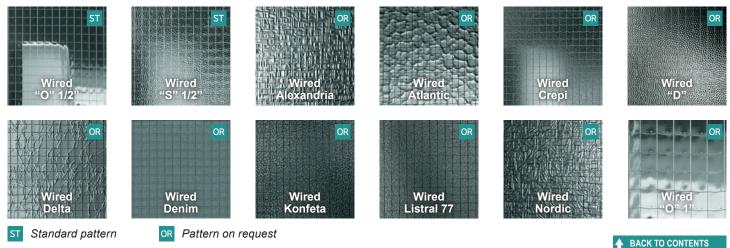
### Pattern and wire mesh direction

Pattern on request: 2 full loads





#### Other wired glass



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Minimum order

### Wired Diamante 9

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
7	± 0.7	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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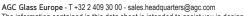
	7 mm
Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): $R_{w}$ (C; $C_{tr}$ )	32 (-1,-2)
U-value (EN 673)	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	88/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	79/7/7
Solar Factor: g	NPD
Colour Rendering (EN 410): Ra	NPD
UV Transmission (EN 410)	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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### Wired Konfeta CLEAR PATTERNED GLASS

IMAGIN WIRED

#### Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

#### Applications

furniture
partitions
doors
windows

fire-resistant barriers

• etc.

#### Pattern availability

On request		
Thickness (mm)	Maximum dimensions (length × width in mm)	
6	3750 × 2040	
7	3750 × 2040	

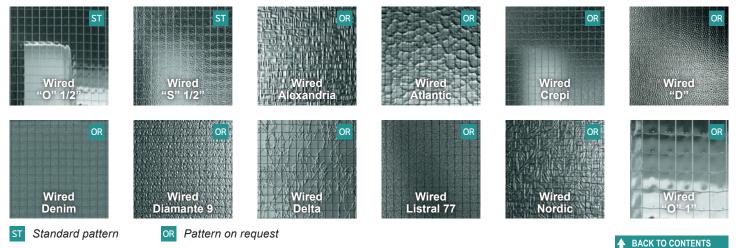
#### Pattern description

Direction of pattern	of wire mesh	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1/2"× 1/2"	—	—	—	12 mm / 1 m

#### Special information

The dimensions of each wire mesh element is 1/2"× 1/2". Not tested for resistance to fire. In case of need check other wired products. Also available without a wire mesh as standard patterned glass.

#### Other wired glass



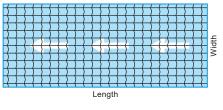
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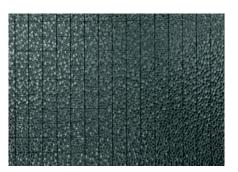
Pattern on request: 2 full loads

Minimum order

(48 tons)

#### Wire mesh direction







### Wired Konfeta

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
6	± 0.6	×	×	$\checkmark$
7	± 0.7	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	C <sub>p</sub>	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	6 mm	7 mm
Resistance to fire (EN 13501-2)	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

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### Wired Listral 77 CLEAR PATTERNED GLASS

**IMAGIN WIRED** 

#### Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

#### Applications

furniture
partitions
doors
windows

fire-resistant barriers

#### • etc.

#### Pattern availability

On request					
Thickness (mm)	Maximum dimensions (length × width in mm)				
6	3750 × 1850				
7	3750 × 1650				

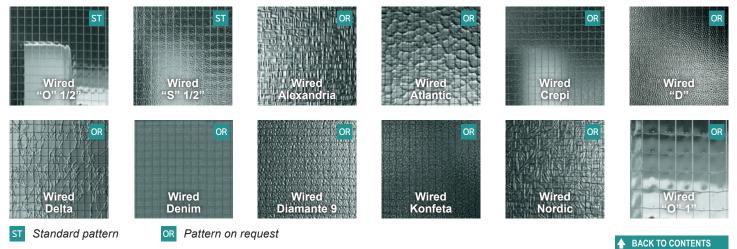
#### Pattern description

Direction of pattern	of wire mesh	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
Yes	1/2" × 1/2"	—	—	—	12mm / 1m

### Special information

The dimensions of each wire mesh element is  $1/2" \times 1/2"$ . Not tested for resistance to fire. In case of need check other wired products. Also available on request without a wire mesh as patterned glass.

#### Other wired glass

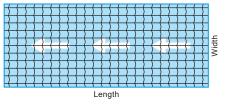


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**Pattern on request:** 2 full loads (48 tons)

#### Wire mesh direction





# AGC

### Wired Listral 77

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
6	± 0.6	×	×	$\checkmark$
7	± 0.7	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	C <sub>p</sub>	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	6 mm	7 mm
Resistance to fire (EN 13501-2)	NPD	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

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### Wired Nordic CLEAR PATTERNED GLASS

# AGC

#### Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

#### **Applications**

- furniture doors • windows

- partitions

fire-resistant barriers

• etc.

#### Pattern availability

On request				
Thickness (mm)	Maximum dimensions (length × width in mm)			
7	3750 × 2040			

#### Pattern description

Direction of pattern	of wire mesh	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
Yes	1/2"× 1/2"	—	—	—	12 mm / 1 m

#### Special information

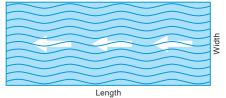
The dimensions of each wire mesh element is  $1/2^{"} \times 1/2"$ . Not tested for resistance to fire. In case of need check other wired products. Also available on request without a wire mesh as patterned glass.

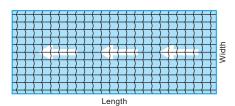


#### Minimum order

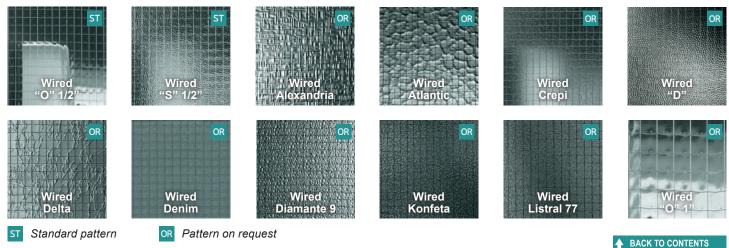
Pattern on request: 2 full loads (48 tons)

#### Pattern and wire mesh direction





#### Other wired glass



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### Wired Nordic

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
7	± 0.7	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10 <sup>-6</sup> /K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Performances according to European standards

The AGC Glass Europe products fulfill the requirements of the relevant European Regulations and Directives applying to Construction products. Compliance with Construction Product Regulation 305/2011 and other relevant Health and Environment legislations can be found on the AGC website www.yourglass.com.

	7 mm
Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	A1
External fire performances	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature change and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance	NPD
Direct airborne sound reduction (EN 12758): $R_{w}$ (C; $C_{tr}$ )	32 (-1,-2)
U-value (EN 673)	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	88/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	79/7/7
Solar Factor: g	NPD
Colour Rendering (EN 410): Ra	NPD
UV Transmission (EN 410)	NPD

All related documents, such as processing guides, cleaning instructions, the complete product catalogue and CE markings can be found at www.agc-yourglass.com.

#### AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

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## Wired "O" 1/2" CLEAR PATTERNED GLASS

**IMAGIN WIRED** 

#### Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.

doors

windows



#### **Applications**

- furniture
- partitions

fire-resistant barriers

• etc.

#### Pattern availability

Standard		Non-standard		
Thickness (mm)	Dimensions* (length × width in mm)	Thickness (mm)	Maximum dimensions (length × width in mm)	
0	2540 × 1850	7	3750 × 2040	
6	3350 × 2040			

#### Minimum order

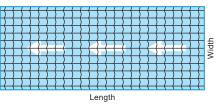
Non-standard thickness: half load can be produced during standard pattern run.

#### \* maximum dimensions 3750 × 2040 mm

#### Pattern description

Direction of pattern	of wire mesh	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1/2" × 1/2"	—	—	—	12 mm / 1 m

Wire mesh direction

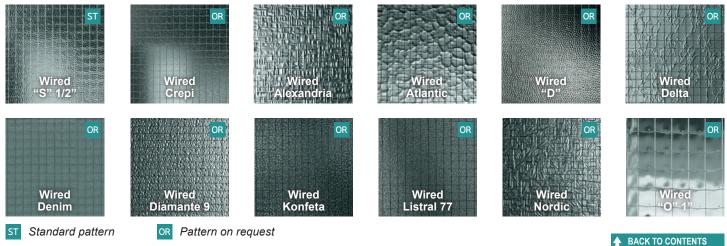


#### **Special information**

The dimensions of each wire mesh element is  $1/2" \times 1/2"$ .

Possibility to produce, On Request only, Wired Safety Glass with 3(B)3 safety level according to EN 12600 (Pendulum Body Impact Test). The thickness of glass = 7mm only

#### Other wired glass



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### Wired "O" 1/2"

#### Processability and thickness tolerance

Thickness (mm)		Thickness tolerance	ckness tolerance	Lamination	IGU
Standard	Non-standard	(EN 572-6)	Tempering	Lammation	160
6		± 0.6	×	×	$\checkmark$
	7	± 0.7	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

AGC Glass Europe products comply with the relevant European regulations and directives on construction products. Further information about compliance with the Construction Product Regulation (305/2011) and other relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	6mm	7 mm
Resistance to fire (EN 13501-2)	E30	E30
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): $\tau e$ / $\rho e$ / $\rho' e$	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

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## Wired "O" 1" CLEAR PATTERNED GLASS

IMAGIN WIRED

#### Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.



#### Applications

- furnituredoorspartitionswindows
- fire-resistant barriers

• etc.

#### Pattern availability

On request				
Thickness (mm)	Maximum dimensions (length × width in mm)			
7	3750 × 2040			

#### Minimum order

**Pattern on request:** 2 full loads (48 tons)

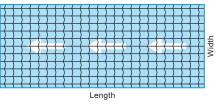
#### Pattern description

Direction of pattern	of wire mesh	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1" × 1"	—	—	_	12 mm / 1 m

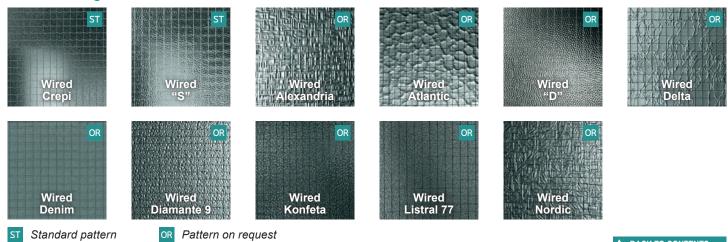
#### Special information

The dimensions of each wire mesh element is  $1" \times 1"$ . Also available with a wire mesh element measuring  $1/2" \times 1/2"$ .

#### Wire mesh direction



#### Other wired glass



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### Wired "O" 1"

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
6	± 0.6	×	×	$\checkmark$
7	± 0.7	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	6mm	7 mm
Resistance to fire (EN 13501-2)	E30	NPD
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): $R_{_{w}}$ (C; $C_{_{tr}}$ )	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τv / ρv / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): τe / ρe / ρ'e	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

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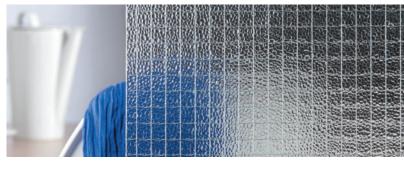


### Wired "S" 1/2" CLEAR PATTERNED GLASS

# AGC

#### Description

Wired glass features wire mesh embedded in the glass during the production process. It is manufactured primarily as a fire-retardant to prevent the glass from shattering and breaking under stress or when exposed to high temperatures. The glass keeps the fire at bay, protecting people from the harmful effects of smoke and flames. The industrial look dovetails perfectly with current trends in loft interiors and minimalist design.



#### **Applications**

<ul> <li>furniture</li> </ul>	<ul> <li>doors</li> </ul>	<ul> <li>fire-resis</li> </ul>
<ul> <li>partitions</li> </ul>	<ul> <li>windows</li> </ul>	• etc.

stant barriers

#### Pattern availability

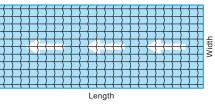
S	Standard			
Thickness (mm)	Dimensions* (length × width in mm)			
6	2540 × 1850			
7	3350 × 1850			

\* maximum dimensions 3750 × 2040mm

#### Pattern description

Direction of pattern	of wire mesh	Relief	Longitudinal pattern deviation	Crosswise pattern deviation	Crosswise deviation of wire mesh
No	1/2" × 1/2"	—	—	—	12mm / 1m

Wire mesh direction

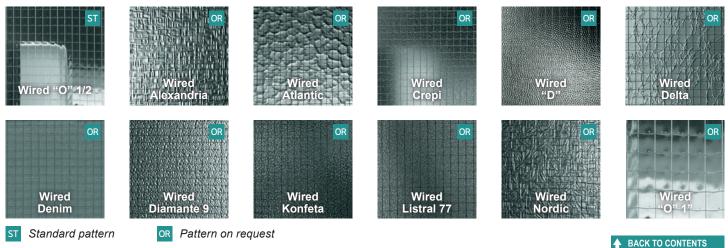


#### **Special information**

The dimensions of each wire mesh element is  $1/2" \times 1/2"$ .

Possibility to produce, On Request only, Wired Safety Glass with 3(B)3 safety level according to EN 12600 (Pendulum Body Impact Test). The thickness of glass = 7mm only

#### Other wired glass



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### Wired "S" 1/2"

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
6	± 0.6	×	×	$\checkmark$
7	± 0.7	×	×	$\checkmark$

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10 <sup>10</sup> Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁶/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Compliance with European standards

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	6 mm	7 mm
Resistance to fire (EN 13501-2)	E30	E30
Reaction to fire (EN 13501-1)	A1	A1
External fire performances	NPD	NPD
Burglar resistance (EN 356)	NPD	NPD
Pendulum body impact resistance (EN 12600)	NPD	NPD
Resistance against sudden temperature change and temperature differentials	NPD	NPD
Wind, snow, permanent and imposed load resistance	NPD	NPD
Direct airborne sound reduction (EN 12758): R <sub>w</sub> (C; C <sub>tr</sub> )	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.7	5.7
Light transmission / Reflection (EN 410): τν / ρν / ρ'	89/8/8	88/8/8
Solar transmission / Reflection (EN 410): $\tau e$ / $\rho e$ / $\rho' e$	80/7/7	79/7/7
Solar Factor: g	83	NPD
Colour Rendering (EN 410): Ra	98	NPD
UV Transmission (EN 410)	57	NPD

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### **Glamatt<sup>®</sup>** ANTI-GLARE GLASS

# AGC

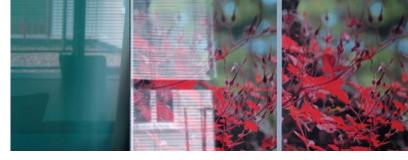
#### IMAGIN

#### Description

Framing glass is clear glass for picture frames that can be used to reduce the negative effect of light reflection. Anti-glare glass delivers excellent reproduction of contrasts and colours.

#### **Applications**

• picture framing



#### Pattern availability

Standard		
Thickness (mm)	Dimensions* (length × width in mm)	
2	2130 × 1560	

\* maximum dimensions 3350 × 1560mm

#### Pattern description

Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

#### Special information

Perfect solution for picture framing due to optimal *Gloss*, *Haze* and *Clarity* parameters\*. Excellent rendering of contrasts and colours. Easy to cut and clean.

\* *Gloss* value represents antiglare effect of the surface treatment measured in light reflection. The lower gloss – the higher antiglare effect. The factors that affect gloss are the refractive index of the material, the angle of incident light and the surface topography.

Haze and Clarity are representatives of translucent appearance, a "milkiness" appearance of glass.

Haze value gives the percentage of scattered light through the glass measured in wide angle scattering.

Clarity values gives the percentage of scattered light through the glass seen in narrow angle scattering.

Unlike Haze, Clarity is distance dependent. The greater the distance between the specimen and the observed object behind, the worse the Clarity effect. The lower Haze - the less milky looks picture behind glass. The higher clarity – the brighter appearance of a picture behind glass.

#### Similar products within AGC range

Matobel – glass treated with an anti-glare coating on one side available in standard thickness of 1.9 mm.





### **Glamatt**®

#### Processability and thickness tolerance

Thickness (mm)	Thickness tolerance	Tempering	Lamination	IGU
2	from 1.85 up to 2.1	×	×	×

#### **Physical properties**

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m <sup>3</sup>
Young's modulus	E	7 × 10¹º Pa
Poisson's ratio	μ	0.2
Specific heat capacity	Cp	0.72 × 10 <sup>3</sup> J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10⁻⁰/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	3	0.89

#### Performances

Relevant health and environmental legislation can be found on the AGC website: www.agc-yourglass.com.

	2 mm
Gloss 60° *	Surface 1: 80 ± 15 G.U. Surface 2: 90 ± 15 G.U.
Haze **	≧ 10
Clarity	≦ 43
U-value (EN 673)	5.79
Light transmission / Reflection (EN 410): τν / ρν	91/8.1
Solar transmission / Reflection (EN 410): τe / ρe	89/7.8
Solar Factor: g	90
Colour Rendering (EN 410): Ra	99.2
UV Transmission (EN 410)	78

\*Gloss at 60° as measured by micro-Tri-gloss (BYK-Gardner Instruments).

\*Surfaces have slightly different antiglare effect. It allows to choose surface ensuring better appearance of framed picture in an installation.

\*\*Haze and Clarity as measured by Haze-guard device from BYK-Gardner Instruments.

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