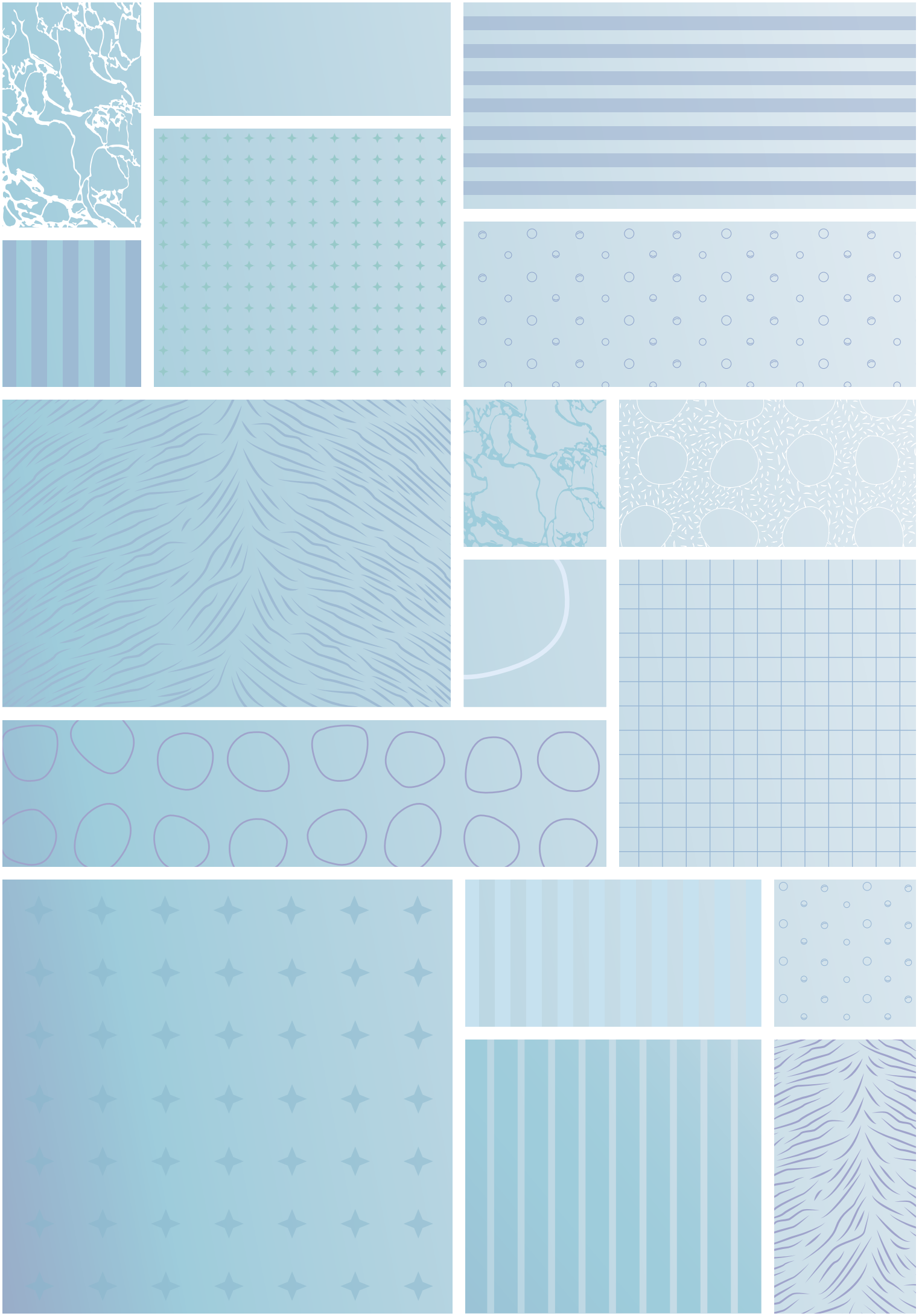
IMAGIN

PATTERNED GLASS FOR DECORATION

Standard pattern range

Your Dreams, Our Challenge



CONTENTS

	Pattern	Pattern availability	Thicknesses* (mm)		Maximum width (mm)	Description
Nature	Delta	ST	**4**	5, 6, 8, 10	1850	Create harmony by bringing nature-inspired patterns into your home, featuring natural colours and materials.
	Diamante 9	ST	**4**	5	2040	
	Kura	ST	**4**	5, 6, 8, 10	2040	
	Niagara	ST	**5**	6, 8	2040	
Soft	33/33	ST	**10**	3, 4, 5, 6, 8	2040	Soft designs deliver moderate levels of privacy while retaining light transmission. The satin surface also decreases light reflection. **for 10 max. width 1850
	Chinchilla	ST	**4**, **4.2**, **6**, **8**	3, 5, 10**	2040	
	Crepi	ST	**4**, **6**, **8**	3, 4.2, 5	2040	
	Gothic	ST	**4**	3, 5, 6	1610	
Linear	Flutes	ST	**4, 6**	5	1850	Lines and stripes deliver a modern look, featuring stark and regular geometry. The combination of vertical and horizontal lines creates unique optics.
	Patterned Glass 130	ST	**5**	6, 8	1850	
	Raywall 45	ST	**4**	5, 6, 8, 10	1850	
	Raywall 90T	ST	**4, 6, 8**	5, 10	1850	
Cathedrals	Atlantic	ST	**4**	5, 6, 8	2040	These patterns feature pitting and irregular, broken lines. Grainy designs deliver superb privacy.
	Kathedral Klein	ST	**4**	5, 6, 8	2040	
Pixels	Krizet	ST	**4**	5, 6	2040	A repeating symphony of superfine dots and points yields subtle designs capable of hiding objects behind the glass.
	Screen	ST	**4**	3, 5, 6, 8	1850	
Rounded	Konfeta	ST	**4**	5, 6, 8, 10*	2040	Does your interior require rounded elements? Choose a pattern that includes circles and ovals. Opt for tiny lenses or regular circles. *for 10 max. width 1850

ST *Standard pattern*

** Thickness **in bold** means standard thickness*

CONTENTS

	Pattern	Pattern availability	Thicknesses* (mm)		Maximum width (mm)	Description
Sandblasted	Delta Sandblasted	ST	**4**	5, 6, 8, 10	1850	Sandblasting is used to visibly matt the glass surface, making it possible to produce patterns with additional matt and smooth effects, and expanding the range of unique design.
	Flutes Sandblasted	ST	**4**	5, 6	1610	
	Niagara Sandblasted	ST	**5**	6, 8	1850	
Wired	Wired Crepi	ST	**6**	7	2040	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.
	Wired "O" 1"	ST	**6**	7	2040	
	Wired "O" 1/2"	ST	**6**	7	2040	
	Wired "S"	ST	**6, 7**		2040	
	Glamatt	ST	**2**		1560	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.

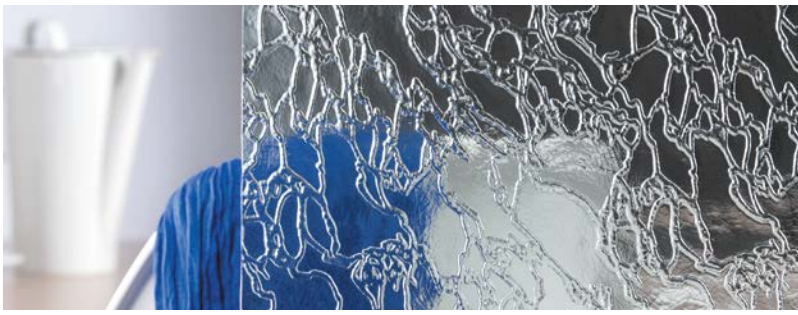
ST *Standard pattern*

** Thickness **in bold** means standard thickness*

Delta®
CLEAR PATTERNED GLASS

IMAGIN

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



Applications
- furniture
- showers
- partitions
- doors
- windows
- façades
- atriums
- roofs
- etc.

Pattern availability

Standard	
Thickness (mm)	**Dimensions* (length × width in mm)**
4	**2130 × 1610**
	3350 × 1610

** maximum dimensions 3750 × 1850 mm*

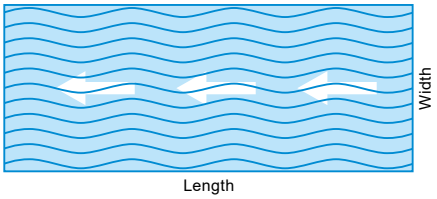
Non-standard	
Thickness (mm)	Maximum dimensions (length × width in mm)
5	3750 × 1850
6	
8	
10	

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
Also available in a sandblasted version and on request with an embedded wire mesh.

Similar patterns

ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
4		± 0.5	✓	✗	✓
	5	± 0.5	✓	✗	✓
	6	± 0.5	✓	✗	✓
	8	± 0.8	✓	✗	✗
	10	± 1.0	✓	✗	✗

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m^3
Young's modulus	E	7 × 10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10^{-6}/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	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	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_w (C; C_{tr})	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 / $\rho' e$	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

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.

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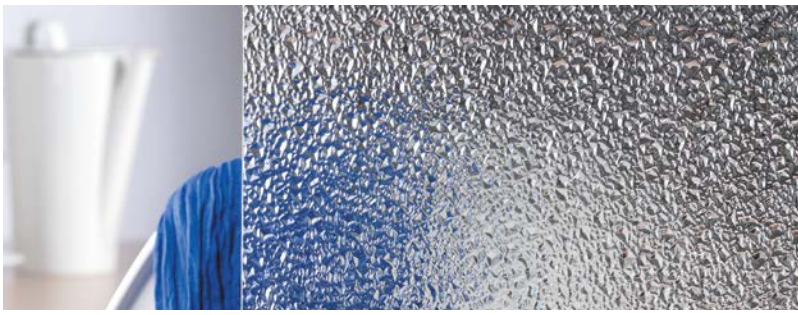
Diamante 9

CLEAR PATTERNED GLASS

IMAGIN

Description

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



Applications

- furniture
- showers
- partitions
- doors
- windows
- façades
- atriums
- roofs
- etc.

Pattern availability

Standard		Non-standard	
Thickness (mm)	**Dimensions* (length × width in mm)**	Thickness (mm)	Maximum dimensions (length × width in mm)
4	**3350 × 1850**	5	3750 × 2040

** maximum dimensions 3750 × 2040 mm*

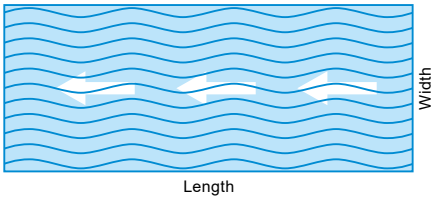
Minimum order

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	—	—	—	—

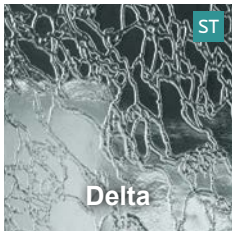
Pattern direction

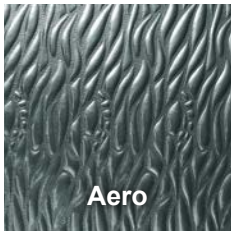


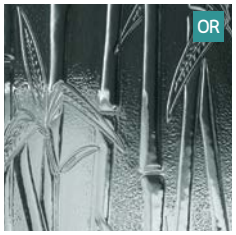
Special information

Also available on request with an embedded wire mesh.

Similar patterns







ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
4		± 0.5	✓	✗	✓
	5	± 0.5	✓	✗	✓

Physical properties

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

Compliance with European standards

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	4 mm	5 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})	30 (-2,-4)	30 (-1,-2)
U-value (EN 673)	5.8	5.8
Light transmission / Reflection (EN 410): τv / ρv / ρ'	90/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / $\rho' e$	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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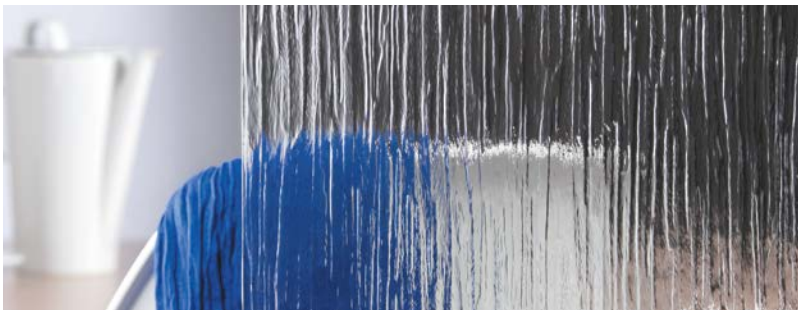
Kura

CLEAR PATTERNED GLASS

IMAGIN

Description

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



Applications

- furniture
- showers
- partitions
- doors
- windows
- façades
- atriums
- roofs
- etc.

Pattern availability

Standard		Non-standard	
Thickness (mm)	**Dimensions* (length × width in mm)**	Thickness (mm)	Maximum dimensions (length × width in mm)
4	**2540 × 1850**	5	3750 × 2040
	3350 × 1850	6	
		8	
		10	3750 × 1850

** maximum dimensions 3750 × 2040 mm*

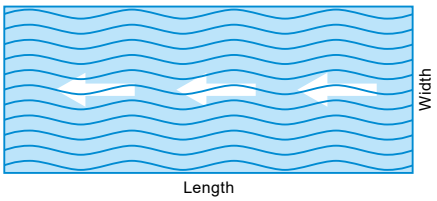
Minimum ordering quantity

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	—	—	—	—

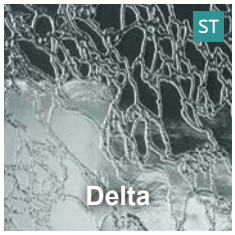
Pattern direction



Special information

None.

Similar patterns



ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
4		± 0.5	✓	✗	✓
	5	± 0.5	✓	✗	✓
	6	± 0.5	✓	✗	✓
	8	± 0.8	✓	✗	✗
	10	± 1.0	✓	✗	✗

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m^3
Young's modulus	E	7 × 10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10^{-6}/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	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	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_w (C; C_{tr})	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 / $\rho' e$	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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UK 07/2023

Niagara®
CLEAR PATTERNED GLASS

IMAGIN

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

Applications
- furniture
- doors
- windows
- façades
- atriums
- etc.

Pattern availability

Standard	
Thickness (mm)	**Dimensions* (length × width in mm)**
5	**2130 × 1610**

** maximum dimensions 3750 × 2040 mm*

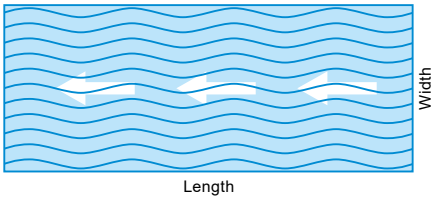
Non-standard	
Thickness (mm)	Maximum dimensions (length × width in mm)
6	3750 × 2040
8	

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

Pattern description

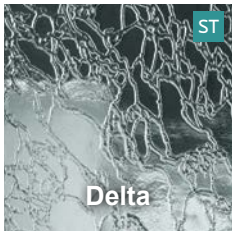
Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

Pattern direction



Special information
Also available in a sandblasted version.

Similar patterns



ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
5		± 0.5	✗	✗	✓
	6	± 0.5	✗	✗	✓
	8	± 0.8	✗	✗	✗

Physical properties

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

Compliance with European standards

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	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_w (C; C_{tr})	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τv / ρv / ρ'	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / $\rho' e$	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

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33/33
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
- showers
- partitions
- doors
- windows
- greenhouses
- façades
- atriums
- roofs
- etc.

Pattern availability

Standard	
Thickness (mm)	**Dimensions* (length × width in mm)**
10	**3350 × 2040**

** maximum dimensions 3750 × 2040 mm*

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

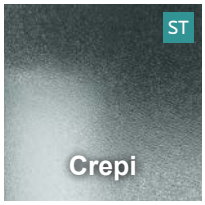
Minimum order
Non-standard thickness: half load can be produced during standard pattern run.

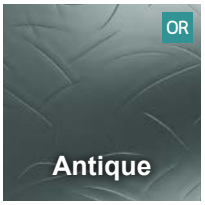
Pattern description

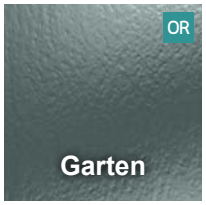
Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

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







ST *Standard pattern* OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
	3	± 0.5	✓	✓*	✗
	4	± 0.5	✓	✓*	✓
	5	± 0.5	✓	✓*	✓
	6	± 0.5	✓	✓*	✓
	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^3
Young's modulus	E	7 × 10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10^{-6}/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

Compliance with European standards

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	3 mm	4 mm	5 mm	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_{tr})	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): τv / ρv / 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

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 07/2023

Chinchilla®

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
- showers
- partitions
- doors
- windows
- façades
- atriums
- roofs
- etc.

Pattern availability

Standard		Non-standard	
Thickness (mm)	**Dimensions* (length × width in mm)**	Thickness (mm)	Maximum dimensions (length × width in mm)
4	**2130 × 1610**	3	3750 × 2040
	2540 × 1610	5	
	3350 × 1610	10	3750 × 1850
4.2	**3210 × 2000**		
6	**2130 × 1850**		
8	**2250 × 1850**		

** maximum dimensions 3750 × 2040 mm*

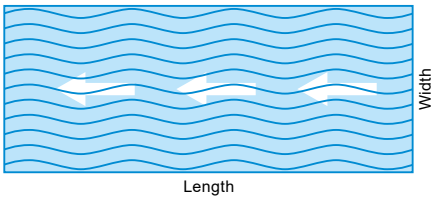
Minimum order

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	—	—	—	—

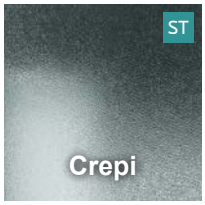
Pattern direction

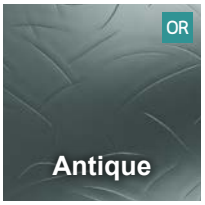


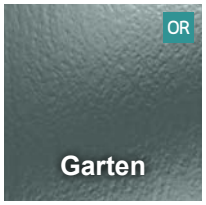
Special information

Thickness 4.2 mm developed specially for lamination with 0.76 PVB.

Similar patterns







ST *Standard pattern* OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
	3	± 0.5	✓	✓*	✗
4		± 0.5	✓	✓*	✓
	5	± 0.5	✓	✓*	✓
6		± 0.5	✓	✓*	✓
8		± 0.8	✓	✓*	✗
	10	± 1.0	✓	✓*	✗

** Lamination test before first production run is strictly recommended.*
AGC developed a special thickness of 4.2 mm to facilitate processing and improve lamination.

Physical properties

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

Compliance with European standards

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	3 mm	4 mm	5 mm	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_{tr})	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): τv / ρv / 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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UK 07/2023

Crepi
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
- showers
- partitions
- doors
- windows
- greenhouses
- façades
- atriums
- roofs
- etc.

Pattern availability

Standard	
Thickness (mm)	**Dimensions* (length × width in mm)**
4	**2130 x 1850 2540 × 1850 3350 × 1850 3350 × 2040**
6	**3350 × 2040**
8	**3350 × 2040**

Non-standard	
Thickness (mm)	Maximum dimensions (length × width in mm)
3	3750 × 2040
4.2	
5	

** maximum dimensions 3750 × 2040 mm*

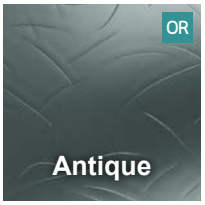
Minimum order
Non-standard thickness: half load can be produced during standard pattern run.

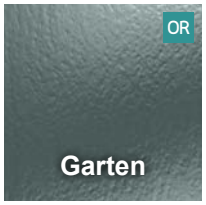
Pattern description

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

Special information
Thickness 4.2 mm developed for lamination with 0.76 PVB.
Also available with an embedded wire mesh as standard wired patterned glass.

Similar patterns





ST *Standard pattern* OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
3		± 0.5	✓	✓ *	✗
4		± 0.5	✓	✓ *	✓
	5	± 0.5	✓	✓ *	✓
6		± 0.5	✓	✓ *	✓
8		± 0.8	✓	✓ *	✗

** Lamination test before first production run is strictly recommended;*
AGC developed a special thickness of 4.2 mm to facilitate processing and improve lamination.

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m^3
Young's modulus	E	7 × 10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10^{-6}/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	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_w (C; C_{tr})	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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UK 07/2023

Gothic®
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
- showers
- partitions
- doors
- windows
- façades
- atriums
- roofs
- etc.

Pattern availability

Standard		Non-standard	
Thickness (mm)	**Dimensions* (length × width in mm)**	Thickness (mm)	Maximum dimensions (length × width in mm)
4	**2130 × 1610**	3	3750 × 1610
	3350 × 1610	5	
		6	

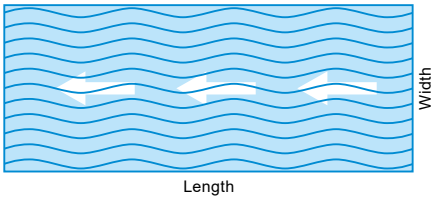
** maximum dimensions 3750 × 1610 mm*

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

Pattern description

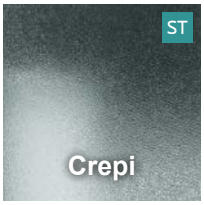
Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	—	—	—	—

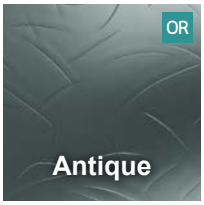
Pattern direction

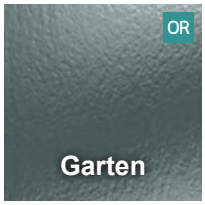


Special information
None.

Similar patterns







ST *Standard pattern* OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
	3	± 0.5	✓	✓*	✗
4		± 0.5	✓	✓*	✓
	5	± 0.5	✓	✓*	✓
	6	± 0.5	✓	✓*	✓

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

Physical properties

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

Compliance with European standards

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	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_w (C; C_{tr})	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): τv / ρv / 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

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UK 07/2023

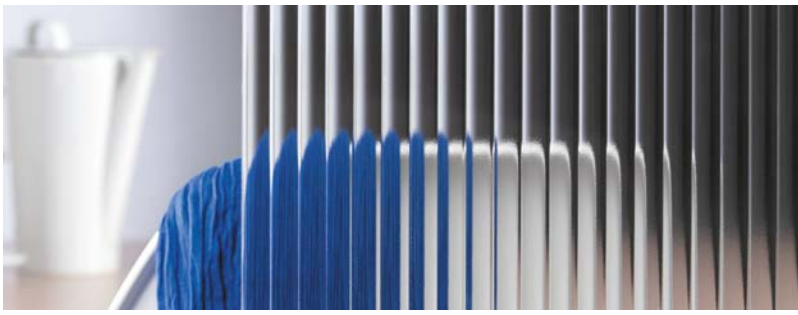
Flutes

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

- furniture
- showers
- partitions
- doors
- windows
- façades
- atriums
- roofs
- etc.

Pattern availability

Standard		Non-standard	
Thickness (mm)	**Dimensions* (length × width in mm)**	Thickness (mm)	Maximum dimensions (length × width in mm)
4	**2540 × 1610**	5	3750 × 1850
	3350 × 1610		
6	**3350 × 1610**		

** maximum dimensions 3750 × 1850 mm*

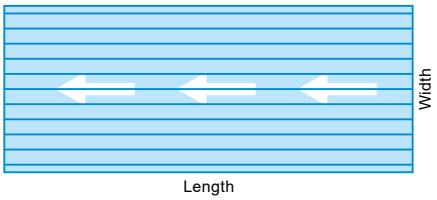
Minimum order

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	12.5 ± 0.3 mm		3 mm / 1 m	—

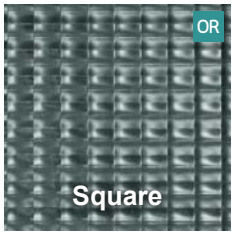
Pattern direction

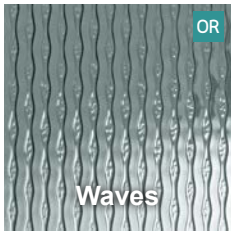


Special information

Also available in a sandblasted version.

Similar patterns





ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
4		± 0.5	✓	✗	✓
	5	± 0.5	✓	✗	✓
6		± 0.5	✓	✗	✓

Physical properties

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

Compliance with European standards

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	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_w (C; C_{tr})	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τv / ρv / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / $\rho' e$	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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UK 07/2023

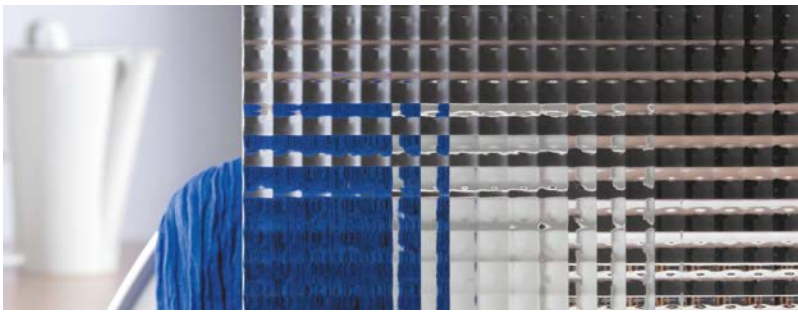
Patterned Glass 130

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
- showers
- partitions
- doors
- windows
- façades
- atriums
- roofs
- etc.

Pattern availability

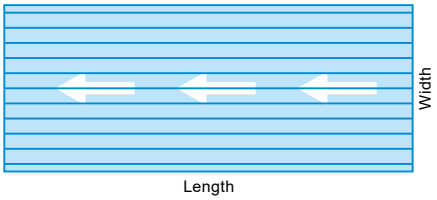
Standard		Non-standard	
Thickness (mm)	**Dimensions* (length × width in mm)**	Thickness (mm)	Maximum dimensions (length × width in mm)
5	**2540 x 1850**	6	3750 × 2040
	3350 x 1850	8	

** 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

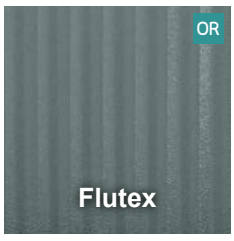
Pattern direction

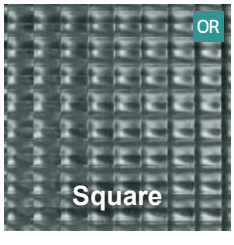


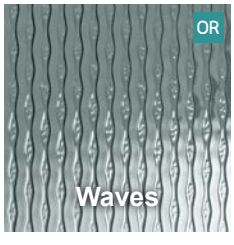
Special information

None.

Similar patterns







ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
5		± 0.5	✓	✗	✓
	6	± 0.5	✓	✗	✓
	8	± 0.5	✓	✗	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m^3
Young's modulus	E	7 × 10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10^{-6}/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	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_w (C; C_{tr})	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.7	5.7
Light transmission / Reflection (EN 410): τv / ρv / ρ'	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection (EN 410): τe / ρe / $\rho' e$	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 07/2023

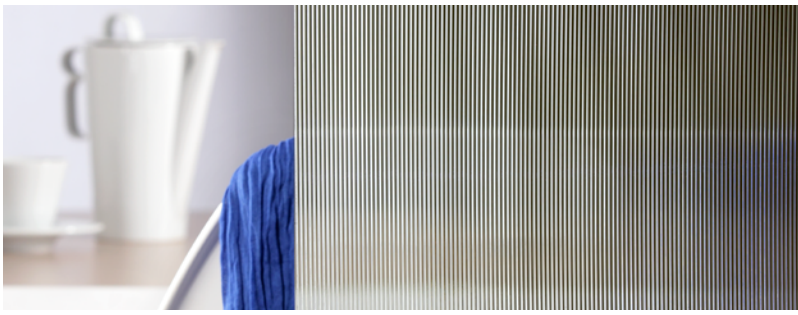
Raywall 45

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

- furniture
- doors
- windows
- façades
- atriums
- etc.

Pattern availability

Standard	
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	3750 × 1850
6	
8	
10	

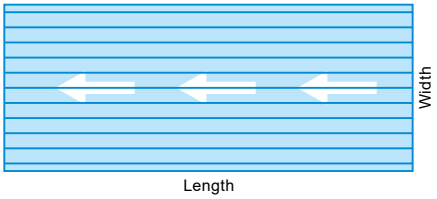
Minimum order

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	4 ± 0.3 mm		3 mm / 1 m	—

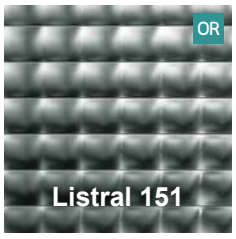
Pattern direction

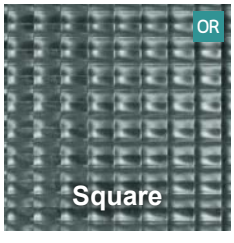


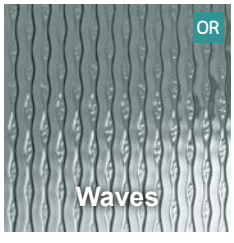
Special information

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







ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
4		± 0.5	✗	✓*	✓
	5	± 0.5	✗	✓*	✓
	6	± 0.5	✗	✓*	✓
	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^3
Young's modulus	E	7 × 10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10^{-6}/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

Compliance with European standards

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	4 mm	5 mm	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_w (C; C_{tr})	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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UK 07/2023

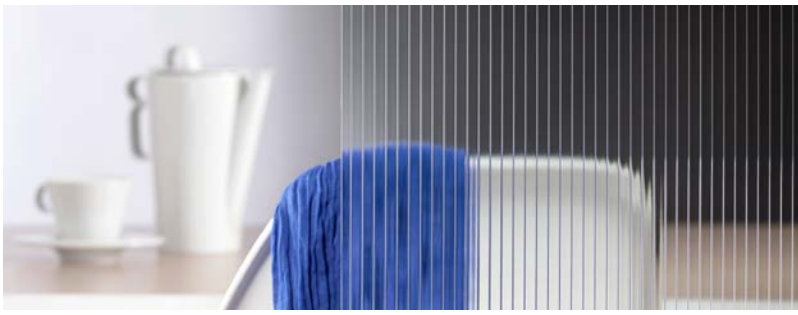
Raywall 90T

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

- furniture
- doors
- windows
- façades
- atriums
- etc.

Pattern availability

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

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

** maximum dimensions 3750 × 1850 mm*

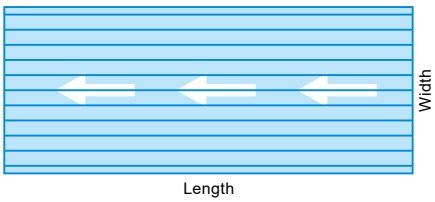
Minimum order

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

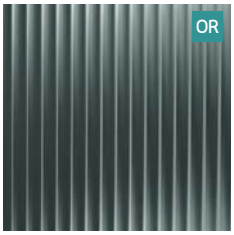
Pattern description

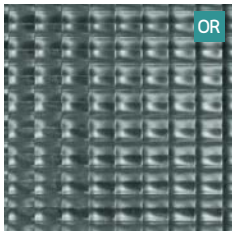
Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
Yes	7.5 ± 0.3 mm		3 mm / 1 m	—

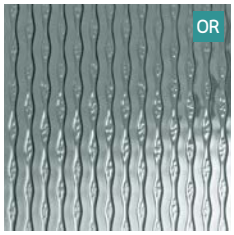
Pattern direction:



Similar patterns







ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
4		± 0.5	✓	✓*	✓
	5	± 0.5	✓	✓*	✓
6		± 0.5	✓	✓*	✓
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^3
Young's modulus	E	7 × 10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10^{-6}/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	0.89

Compliance with European standards

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	4 mm	5 mm	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_w (C; C_{tr})	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): τv / ρv / 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

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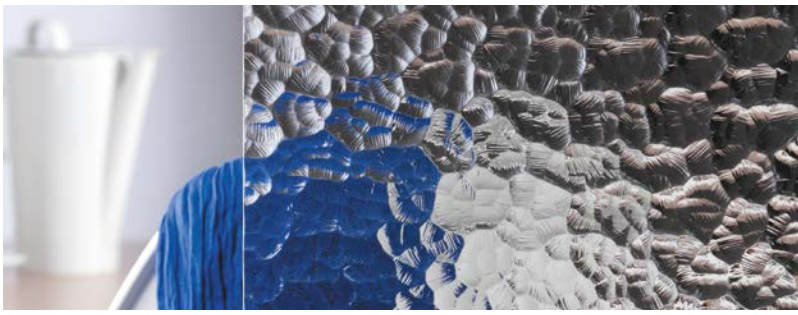
UK 07/2023

Atlantic
CLEAR PATTERNED GLASS

IMAGIN

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



Applications
- furniture
- showers
- partitions
- doors
- windows
- greenhouses
- façades
- atriums
- roofs
- etc.

Pattern availability

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

** maximum dimensions 3750 × 2040 mm*

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

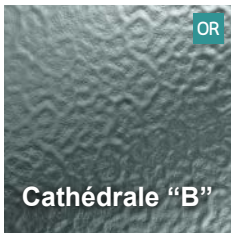
Minimum order
Non-standard thickness: half load can be produced during standard pattern run.

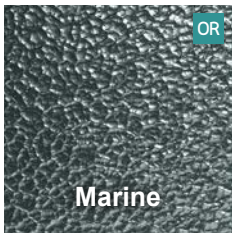
Pattern description

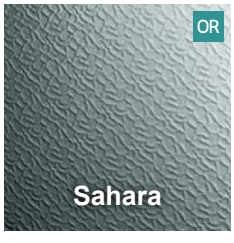
Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

Special information
Also available on request with an embedded wire mesh.

Similar patterns







ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
4		± 0.5	✓	✗	✓
	5	± 0.5	✓	✗	✓
	6	± 0.5	✓	✗	✓
	8	± 0.8	✓	✗	✗

Physical properties

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

Compliance with European standards

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	4 mm	5 mm	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_w (C; C_{tr})	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): τv / ρv / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τe / ρe / $\rho' e$	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 07/2023

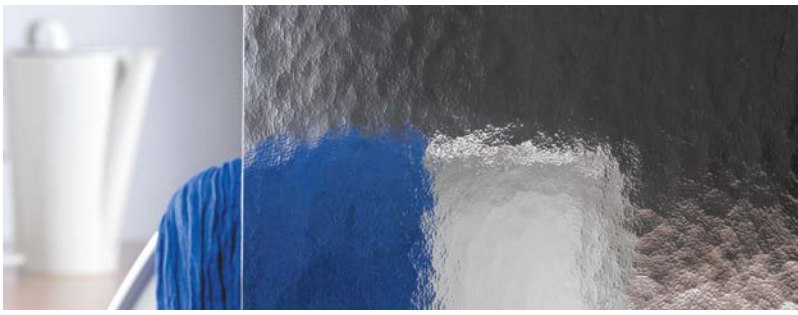
Kathedral Klein

CLEAR PATTERNED GLASS

IMAGIN

Description

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



Applications

- furniture
- showers
- partitions
- doors
- windows
- greenhouses
- façades
- atriums
- roofs
- etc.

Pattern availability

Standard		Non-standard	
Thickness (mm)	**Dimensions* (length × width in mm)**	Thickness (mm)	Maximum dimensions (length × width in mm)
4	**2540 x 1850**	5	3750 × 2040
	3350 × 2040	6	
		8	

** maximum dimensions 3750 × 2040 mm*

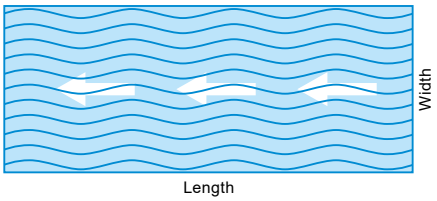
Minimum order

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	—	—	—	—

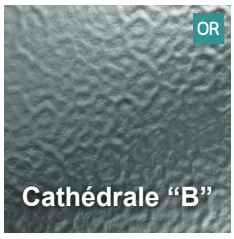
Pattern direction

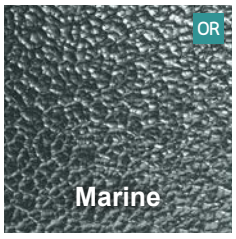


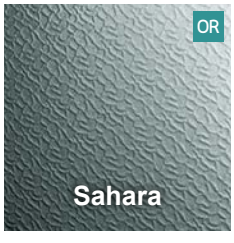
Special information

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

Similar patterns







ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
4		± 0.5	✓	✗	✓
	5	± 0.5	✓	✗	✓
	6	± 0.5	✓	✗	✓
	8	± 0.8	✓	✗	✗

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m^3
Young's modulus	E	7 × 10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10^{-6}/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	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	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_w (C; C_{tr})	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): τv / ρv / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τe / ρe / $\rho' e$	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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UK 07/2023

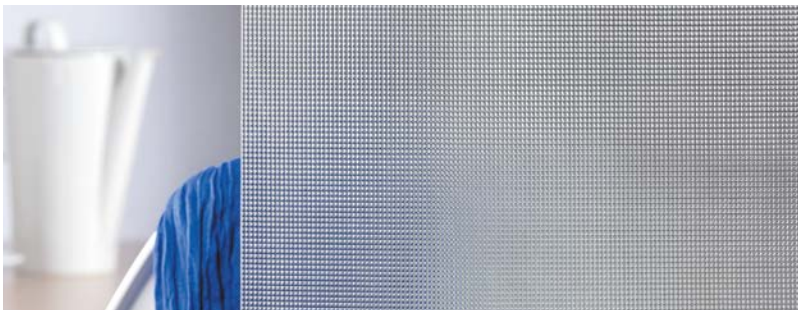
Krizet

CLEAR PATTERNED GLASS

IMAGIN

Description

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



Applications

- furniture
- showers
- partitions
- doors
- windows
- façades
- atriums
- roofs
- etc.

Pattern availability

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

** maximum dimensions 3750 × 2040 mm*

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

Minimum order

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

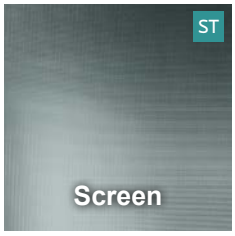
Pattern description

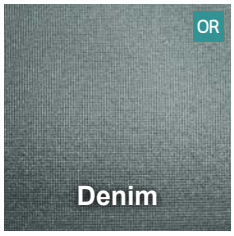
Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	2.3 × 2.3 ± 0.2 mm	—	3 mm / 1 m	8 mm / 1 m

Special information

None.

Similar patterns





ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
4		± 0.5	✓	✓*	✓
	5	± 0.5	✓	✓*	✓
	6	± 0.5	✓	✓*	✓

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

Physical properties

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

Compliance with European standards

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	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_w (C; C_{tr})	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7
Light transmission / Reflection (EN 410): τv / ρv / ρ'	90/8/8	89/8/8	89/8/8
Solar transmission / Reflection (EN 410): τe / ρe / $\rho' e$	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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UK 07/2023

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
- furniture
- showers
- partitions
- doors
- windows
- façades
- atriums
- roofs
- etc.

Pattern availability

Standard		Non-standard	
Thickness (mm)	**Dimensions* (length × width in mm)**	Thickness (mm)	Maximum dimensions (length × width in mm)
4	**2540 × 1850**	3	3750 × 1850
	3350 × 1850	5	
		6	
		8	

** maximum dimensions 3750 × 1850 mm*

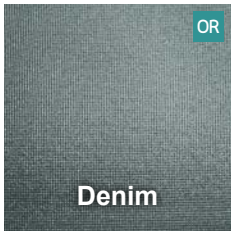
Minimum order
Non-standard thickness: half load can be produced during standard pattern run.

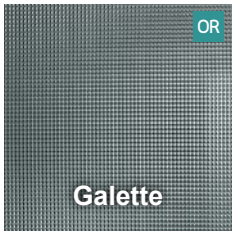
Pattern description

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

Special information
None.

Similar patterns





ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
	3	± 0.5	✓	✓*	✗
4		± 0.5	✓	✓*	✓
	5	± 0.5	✓	✓*	✓
	6	± 0.5	✓	✓*	✓
	8	± 0.8	✓	✓*	✓

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

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m^3
Young's modulus	E	7 × 10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10^{-6}/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	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_w (C; C_{tr})	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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UK 07/2023

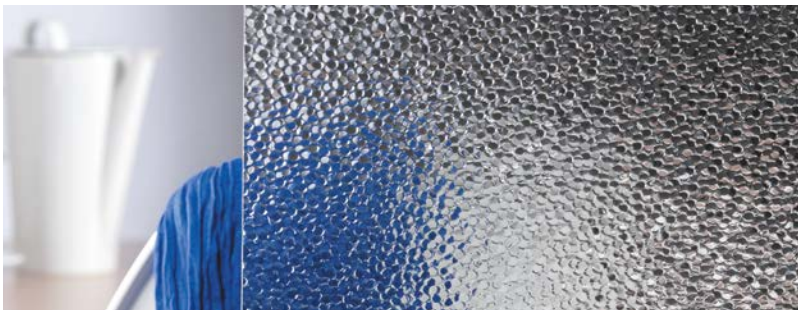
Konfeta

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

- furniture
- showers
- partitions
- doors
- windows
- façades
- atriums
- roofs
- etc.

Pattern availability

Standard	
Thickness (mm)	**Dimensions* (length × width in mm)**
4	**1200 × 1850**

** maximum dimensions 3750 × 2040 mm*

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

Minimum order

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

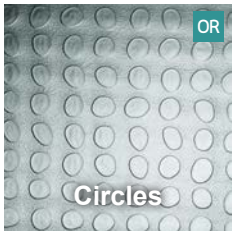
Pattern description

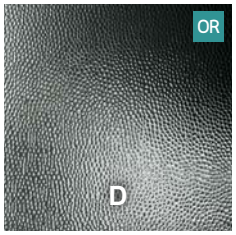
Direction	Dimensions of pattern element	Relief	Longitudinal pattern deviation	Crosswise pattern deviation
No	—	—	—	—

Special information

Also available on request with an embedded wire mesh.

Similar patterns





ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
4		± 0.5	✓	✗	✓
	5	± 0.5	✓	✗	✓
	6	± 0.5	✓	✗	✓
	8	± 0.8	✓	✗	✗
	10	± 1.0	✓	✗	✗

Physical properties

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

Compliance with European standards

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	4 mm	5 mm	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_w (C; C_{tr})	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 / $\rho' e$	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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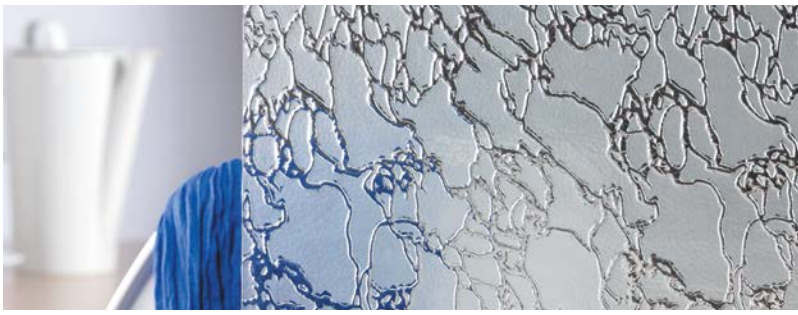
Delta® Sandblasted

CLEAR PATTERNED GLASS

IMAGIN SANDBLASTED

Description

Sandblasting is used to visibly matt the glass surface, making it possible to produce patterns with additional matt and smooth effects, and expanding the range of unique designs.



Applications

- furniture
- showers
- partitions
- doors
- windows
- façades
- atriums
- roofs
- etc.

Pattern availability

Standard		Non-standard	
Thickness (mm)	**Dimensions* (length × width in mm)**	Thickness (mm)	Maximum dimensions (length × width in mm)
4	**2130 × 1610**	5	3350 × 1850
	3350 × 1610	6	
		8	
		10	

** maximum dimensions 3350 × 1850 mm*

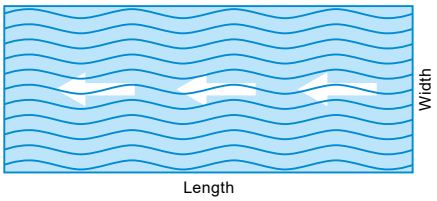
Minimum order

Non-standard thickness: 1/2 load can be produced during standard pattern campaign.

Pattern description

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

Pattern direction



Special information

Also available in a non-sandblasted version and on request with an embedded wire mesh.

Other sandblasted glass

ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
4		± 0.5	✓	✗	✓
	5	± 0.5	✓	✗	✓
	6	± 0.5	✓	✗	✓
	8	± 0.8	✓	✗	✗
	10	± 1.0	✓	✗	✗

Physical properties

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

Compliance with European standards

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	4 mm	5 mm	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_w (C; C_{tr})	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

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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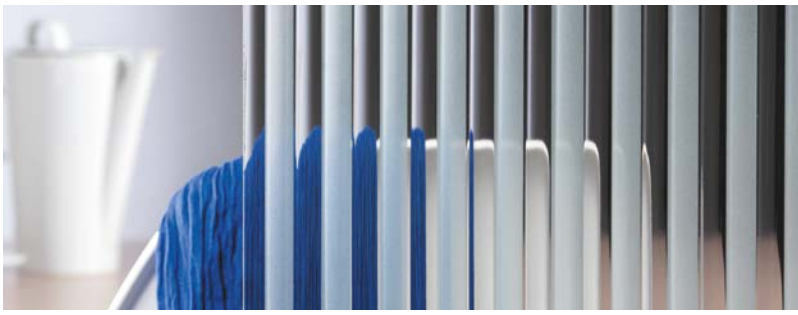
Flutes Sandblasted

CLEAR PATTERNED GLASS

IMAGIN SANDBLASTED

Description

Sandblasting is used to visibly matt the glass surface, making it possible to produce patterns with additional matt and smooth effects, and expanding the range of unique designs.



Applications

- furniture
- showers
- partitions
- doors
- windows
- façades
- atriums
- roofs
- etc.

Pattern availability

Standard		Non-standard	
Thickness (mm)	**Dimensions* (length × width in mm)**	Thickness (mm)	Maximum dimensions (length × width in mm)
4	**2130 × 1610**	5	3350 × 1610
	2540 × 1610	6	

** maximum dimensions 3350 × 1610 mm*

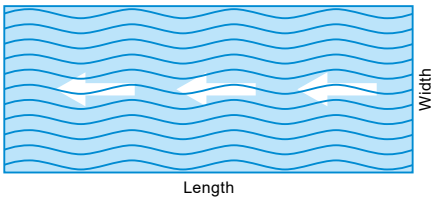
Minimum order

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	12.5 ± 0.3 mm		3 mm / 1 m	—

Pattern direction



Special information

Also available in a non-sandblasted version.

Other sandblasted glass

ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
4		± 0.5	✓	✗	✓
	5	± 0.5	✓	✗	✓
	6	± 0.5	✓	✗	✓

Physical properties

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

Compliance with European standards

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	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_w (C; C_{tr})	30 (-2,-4)	30 (-1,-2)	31 (-2,-3)
U-value (EN 673)	5.8	5.8	5.7

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Niagara® Sandblasted

CLEAR PATTERNED GLASS

IMAGIN SANDBLASTED

Description

Sandblasting is used to visibly matt the glass surface, making it possible to produce patterns with additional matt and smooth effects, and expanding the range of unique designs.

Applications

- furniture
- doors
- windows
- façades
- atriums
- etc.

Pattern availability

Standard		Non-standard	
Thickness (mm)	**Dimensions* (length × width in mm)**	Thickness (mm)	Maximum dimensions (length × width in mm)
5	**2130 × 1610**	6	3350 × 1850
		8	

** maximum dimensions 3350 × 1850 mm*

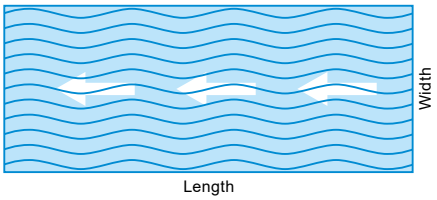
Minimum order

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

Also available in a non-sandblasted version.

Other sandblasted glass

ST *Standard pattern*

OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
Standard	Non-standard				
5		± 0.5	✗	✗	✓
	6	± 0.5	✗	✗	✓
	8	± 0.8	✗	✗	✗

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m^3
Young's modulus	E	7 × 10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10^{-6}/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	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_w (C; C_{tr})	30 (-1,-2)	31 (-2,-3)	32 (-1,-2)
U-value (EN 673)	5.8	5.7	5.7

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 07/2023

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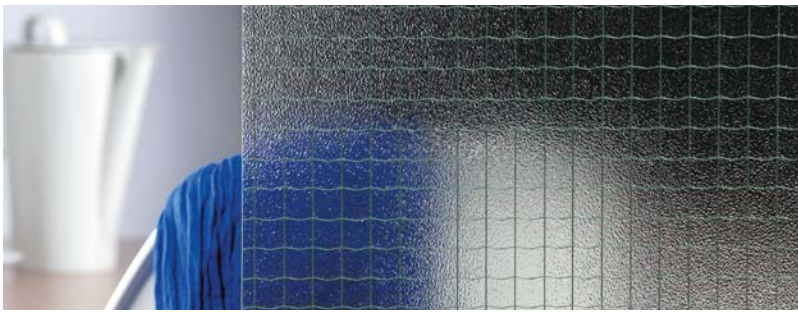
Wired Crepi

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

Standard	
Thickness (mm)	**Dimensions* (length × width in mm)**
6	**2540 × 1850**
	3350 × 2040

Non-standard	
Thickness (mm)	Maximum dimensions (length × width in mm)
7	3750 × 2040

** maximum dimension 3750 × 2040 mm*

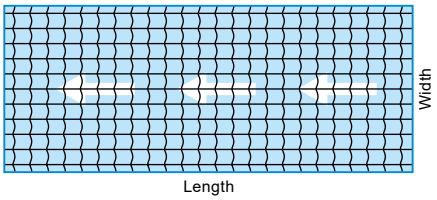
Minimum order

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

Pattern description

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

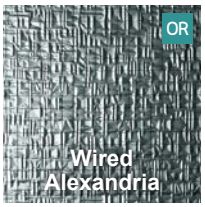
Pattern direction

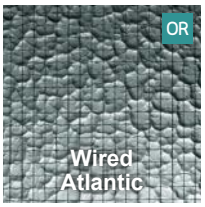


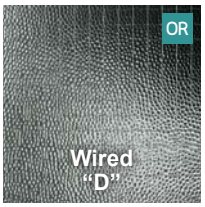
Special information

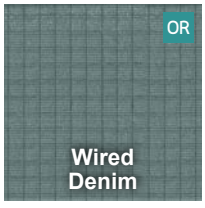
The dimensions of each wire mesh element is 1/2”× 1/2”.
Not tested for resistance to fire. In case of need check other wired products.
Also available without a wire mesh as standard patterned glass.
Possibility to produce, On Request only, Wired Safety Glass with 3(B)3 safety level according to EN 12600 (Pendulum Body Impact Test). The thickness of glass = 7mm only

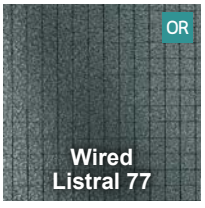
Other wired glass











ST *Standard pattern* OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
Standard	Non-standard				
6		± 0.6	✗	✗	✓
	7	± 0.7	✗	✗	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m^3
Young's modulus	E	7 × 10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10^{-6}/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	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_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 / $\rho' e$	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 "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

- furniture
- partitions
- doors
- windows
- fire-resistant barriers
- etc.

Pattern availability

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

** maximum dimensions 3750 × 2040 mm*

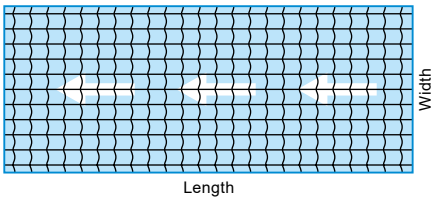
Minimum order

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

Pattern description

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

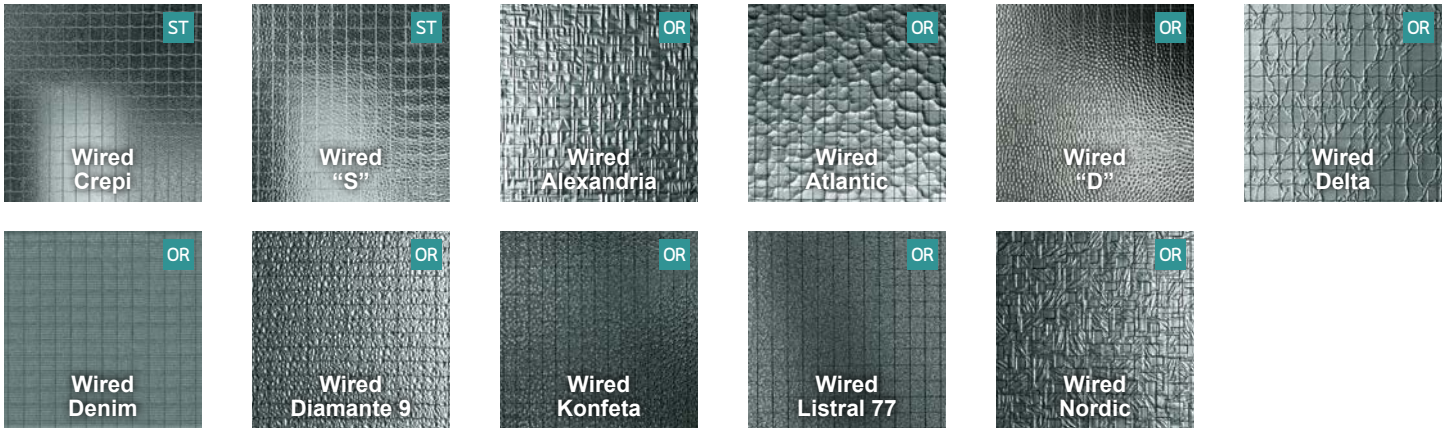
Wire mesh direction



Special information

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

Other wired glass



ST *Standard pattern* OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
Standard	Non-standard				
6		± 0.6	✗	✗	✓
	7	± 0.7	✗	✗	✓

Physical properties

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

	6 mm	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 / $\rho' e$	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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UK 07/2023

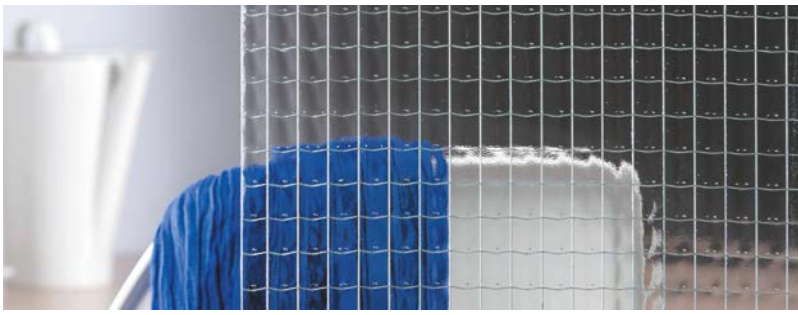
Wired “O” 1/2”

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.



Applications

- furniture
- partitions
- doors
- windows
- fire-resistant barriers
- etc.

Pattern availability

Standard	
Thickness (mm)	**Dimensions* (length × width in mm)**
6	**2540 × 1850**
	3350 × 2040

Non-standard	
Thickness (mm)	Maximum dimensions (length × width in mm)
7	3750 × 2040

** maximum dimensions 3750 × 2040 mm*

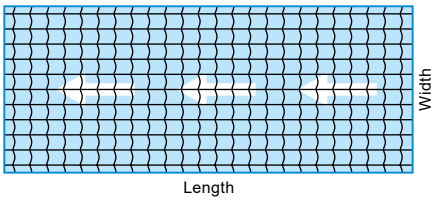
Minimum order

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

Pattern description

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

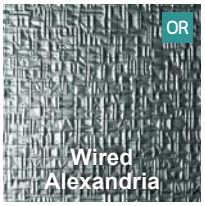
Wire mesh direction

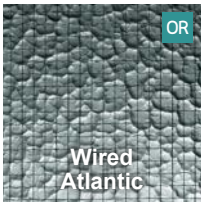


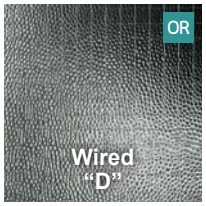
Special information

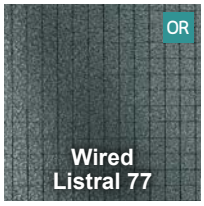
The dimensions of each wire mesh element is 1/2” × 1/2”. Also available with a wire mesh element measuring 1” × 1”. Possibility to produce, On Request only, Wired Safety Glass with 3(B)3 safety level according to EN 12600 (Pendulum Body Impact Test). The thickness of glass = 7mm only

Other wired glass









ST *Standard pattern* OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)		Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
Standard	Non-standard				
6		± 0.6	✗	✗	✓
	7	± 0.7	✗	✗	✓

Physical properties

Characteristic	Symbol	Value and unit
Density	ρ	2500 kg/m^3
Young's modulus	E	7 × 10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10^{-6}/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	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_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 / $\rho' e$	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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UK 07/2023

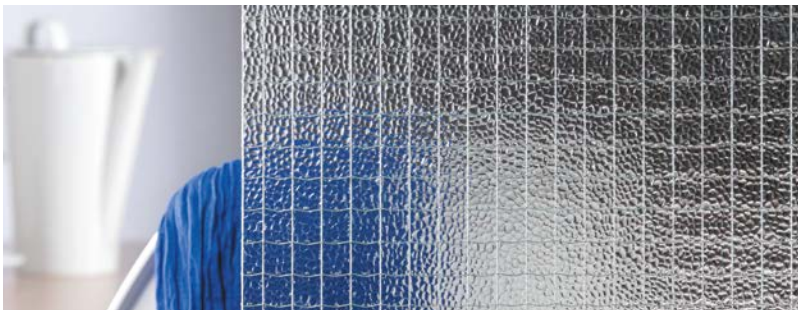
Wired "S"

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

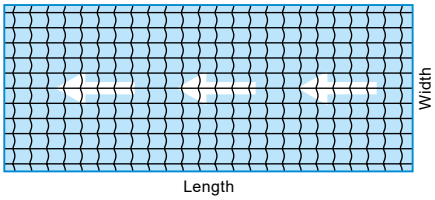
Standard	
Thickness (mm)	**Dimensions* (length × width in mm)**
6	**2540 × 1850**
7	**3350 × 1850**

** maximum dimensions 3750 × 2040 mm*

Pattern description

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

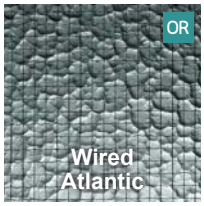
Wire mesh direction

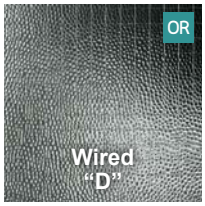


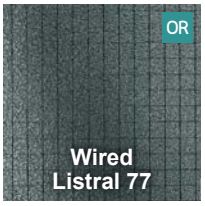
Special information

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







ST *Standard pattern* OR *Pattern on request*

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Processability and thickness tolerance

Thickness (mm)	Thickness tolerance (EN 572-6)	Tempering	Lamination	IGU
6	± 0.6	✗	✗	✓
7	± 0.7	✗	✗	✓

Physical properties

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

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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_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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UK 07/2023

Glamatt®
ANTI-GLARE GLASS

FRAMING GLASS

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**
	2540 × 1560

** maximum dimensions 3350 × 1560 mm*

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.

ST *Standard product*

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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^3
Young's modulus	E	7 × 10^{10} Pa
Poisson's ratio	μ	0.2
Specific heat capacity	c_p	0.72 × 10^3 J/(kg.K)
Coefficient of linear expansion (20-300 °C)	α	9 × 10^{-6}/K
Thermal conductivity	λ	1 W/(m.K)
Emissivity	ε	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): τv / ρv	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.

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.

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