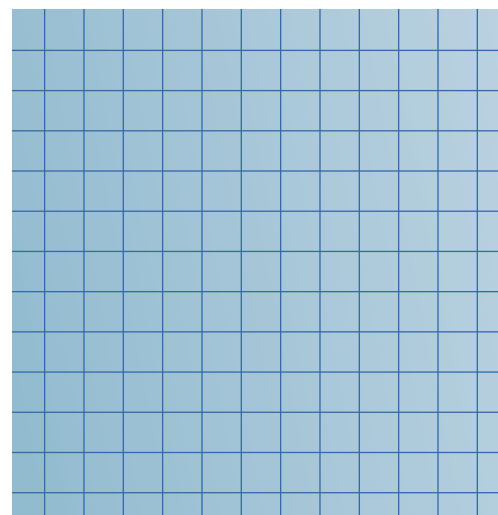
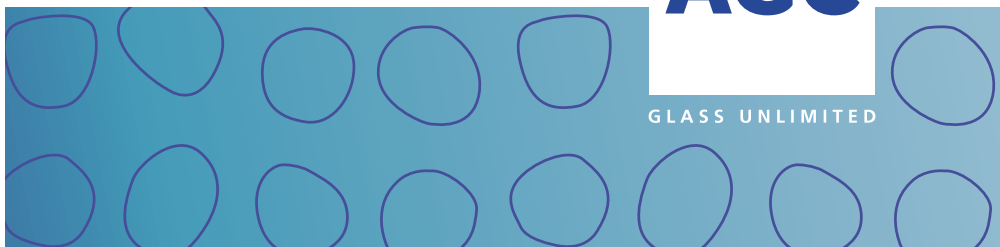
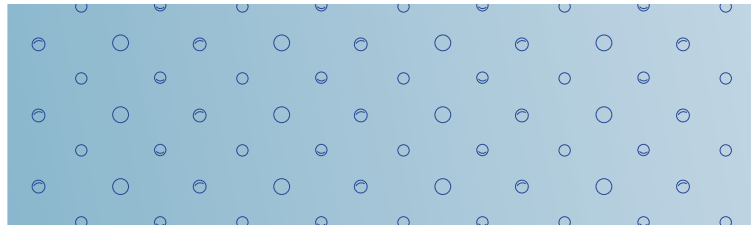
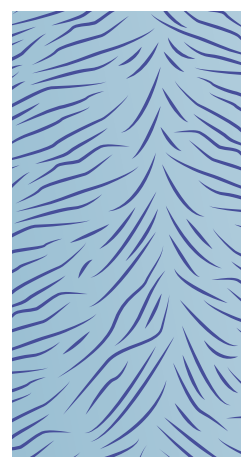
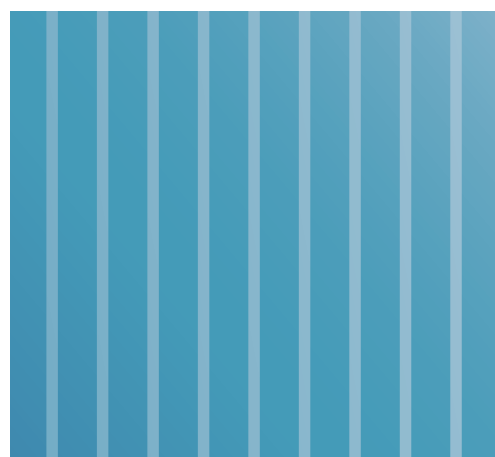
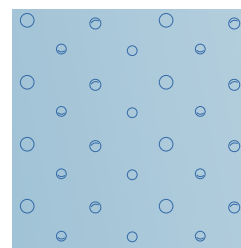


Glass for decoration



FOCUS ON
PATTERNED GLASS

IMAGIN & OLTRELUCCE
CATHEDRAL PATTERNS



Description:

These patterns feature pitting and irregular, broken lines. Grainy designs deliver superb privacy.

Pattern	Pattern availability	Thicknesses* (mm)	Maximum width (mm)
Atlantic	ST	4 , 5, 6, 8	2040
Cathédrale "B"	OR	4, 5, 6, 8	1850
Flint	OR	4, 5, 6, 8	2040
Kathedral Gross	OR	4, 5, 6, 8	2040
Kathedral Klein	ST	4 , 5, 6, 8	2040
Marine	OR	4, 5, 6, 8	2040
Martelé "O"	OR	4, 5, 6, 8	1850
Sahara	OR	4, 5, 6, 8	2040

ST Standard pattern

OR Pattern on request

* Thickness **in bold** means standard thickness

IMAGIN & OLTRELUCE CLEAR PATTERNED GLASS



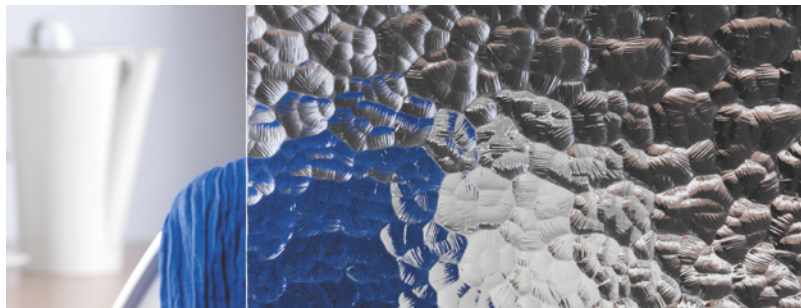
Atlantic

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 x width in mm)
4	3350 x 1850

* maximum dimensions 3750 x 2040 mm

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

Minimum order:

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

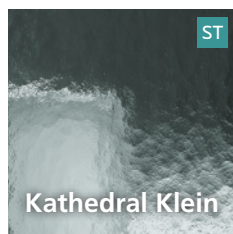
Pattern description:

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

Special information:

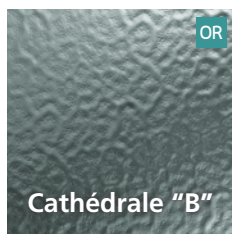
Also available on request with an embedded wire mesh.

Similar patterns:



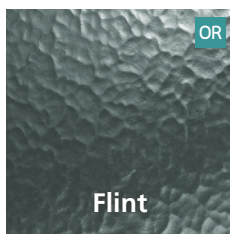
Kathedral Klein

ST



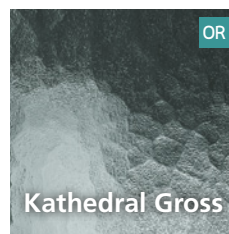
Cathédrale "B"

OR



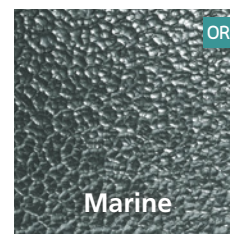
Flint

OR



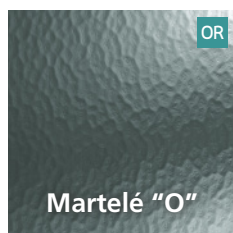
Kathedral Gross

OR



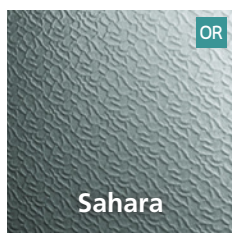
Marine

OR



Martelé "O"

OR



Sahara

OR

ST Standard pattern

OR Pattern on request

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): τ_v / ρ_v / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τ_e / ρ_e / $\rho'e$	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 LEADER IN FLAT GLASS

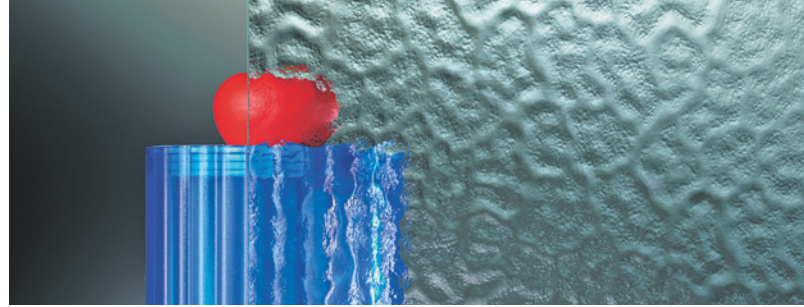
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Description:

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:

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

Minimum order:

Pattern on request: 2 full loads (48 tons)

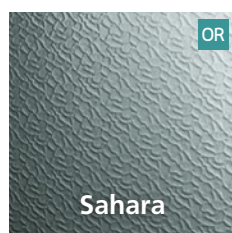
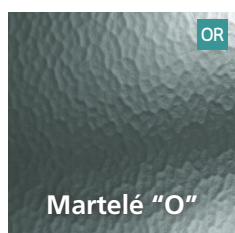
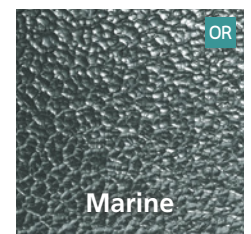
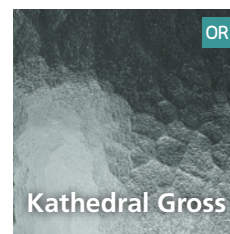
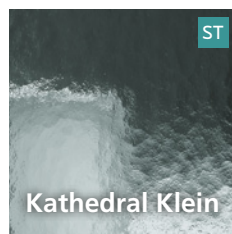
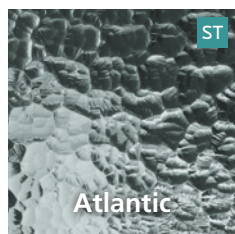
Pattern description:

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

Special information:

None.

Similar patterns:



ST Standard pattern

OR Pattern on request

Processability and thickness tolerance:

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
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): τ_v / ρ_v / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τ_e / ρ_e / $\rho'e$	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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AGC GLASS EUROPE, A LEADER IN FLAT GLASS

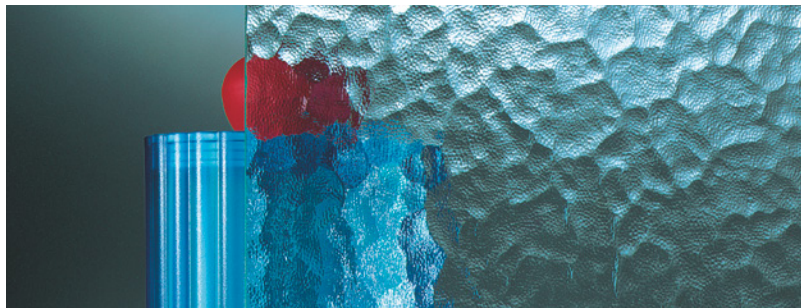
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Description:

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Applications:

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



Pattern availability:

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

Minimum order:

Pattern on request: 2 full loads (48 tons)

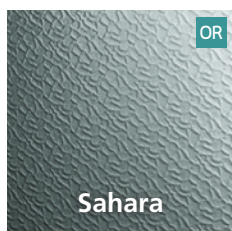
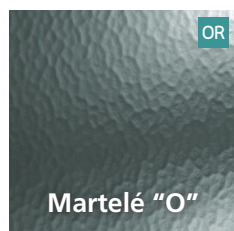
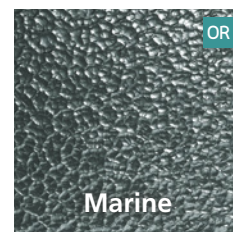
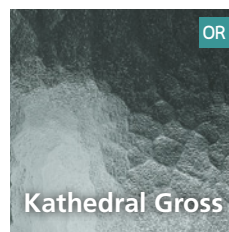
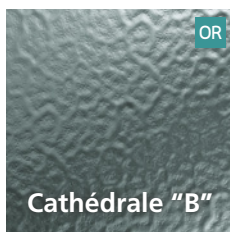
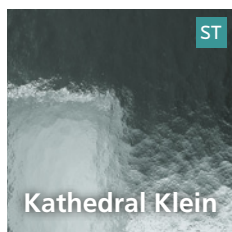
Pattern description:

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

Special information:

None.

Similar patterns:



ST Standard pattern

OR Pattern on request

Processability and thickness tolerance:

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
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): τ_v / ρ_v / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τ_e / ρ_e / $\rho'e$	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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AGC GLASS EUROPE, A LEADER IN FLAT GLASS

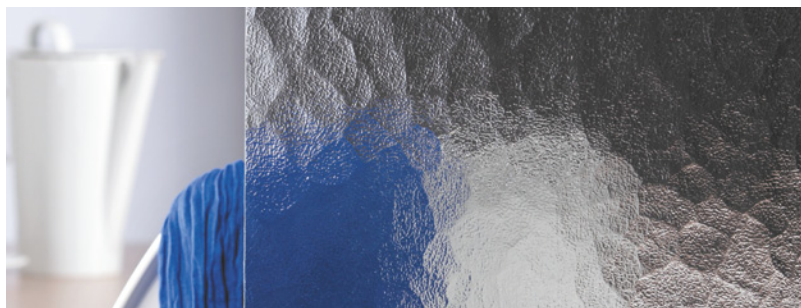
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Description:

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Applications:

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



Pattern availability:

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

Minimum order:

Pattern on request: 2 full loads (48 tons)

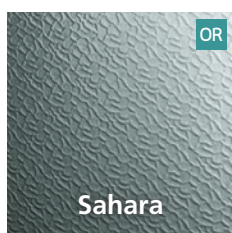
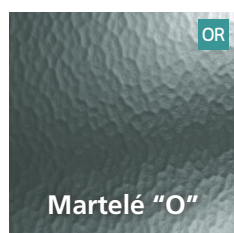
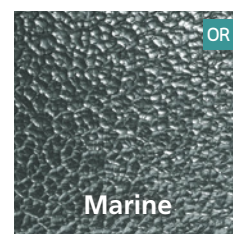
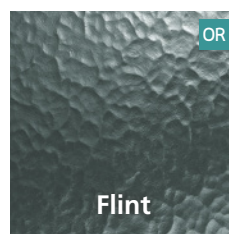
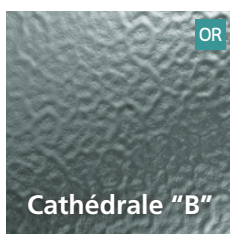
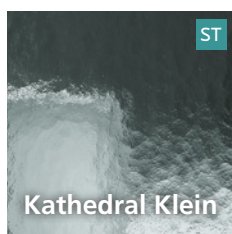
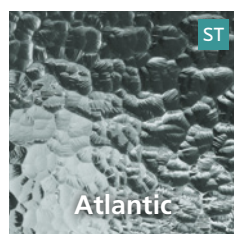
Pattern description:

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

Special information:

None.

Similar patterns:



ST Standard pattern

OR Pattern on request

Processability and thickness tolerance:

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
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)
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Thermal conductivity	λ	1 W/(m.K)
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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): τ_v / ρ_v / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τ_e / ρ_e / $\rho'e$	84/8/8	82/7/7	80/7/7	77/7/7
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Colour Rendering (EN 410): Ra	99	99	98	98
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AGC GLASS EUROPE, A LEADER IN FLAT GLASS

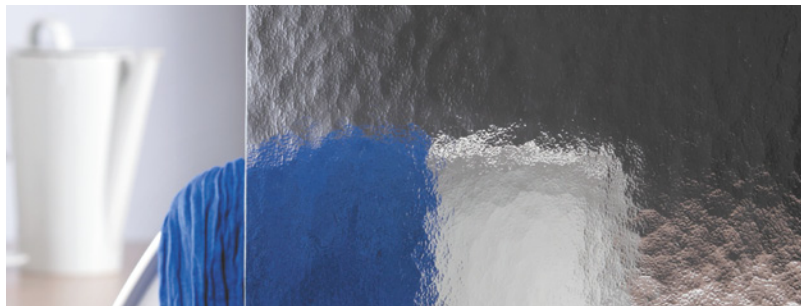
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Applications:

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



Pattern availability:

Standard		Non-standard	
Thickness (mm)	Dimensions* (length x width in mm)	Thickness (mm)	Maximum dimensions (length x width in mm)
4	2130 x 1650	5	3750 x 2040
	3350 x 2040	6	
		8	

* maximum dimensions 3750 x 2040 mm

Minimum order:

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

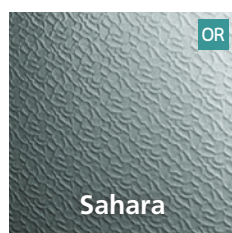
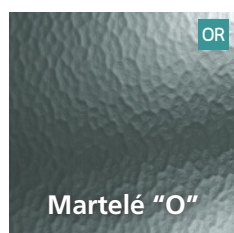
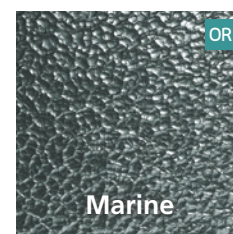
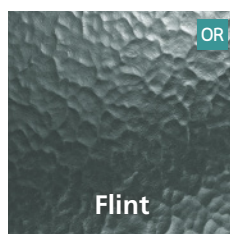
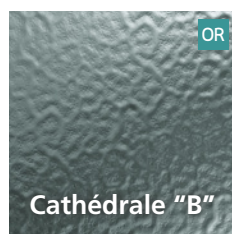
Pattern description:

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

Special information:

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

Similar patterns:



ST Standard pattern

OR Pattern on request

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): τ_v / ρ_v / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τ_e / ρ_e / $\rho'e$	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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AGC GLASS EUROPE, A LEADER IN FLAT GLASS

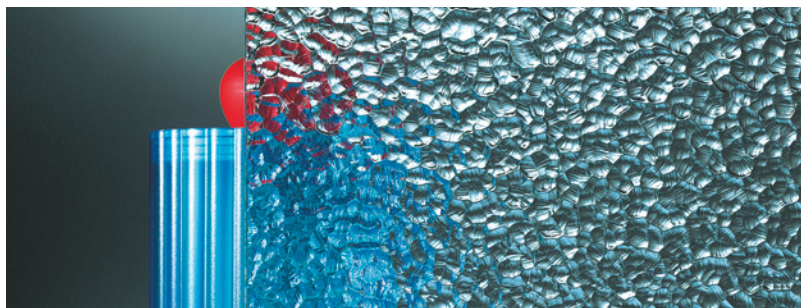
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Description:

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:

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

Minimum order:

Pattern on request: 2 full loads (48 tons)

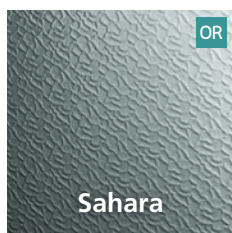
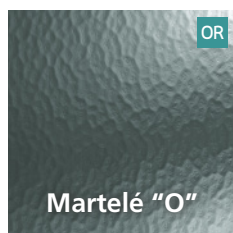
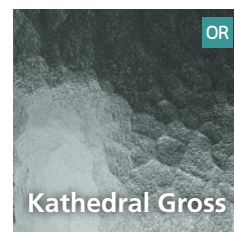
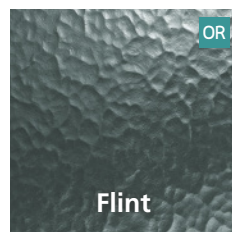
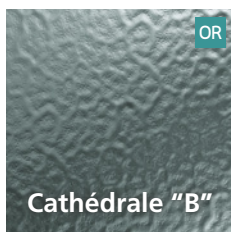
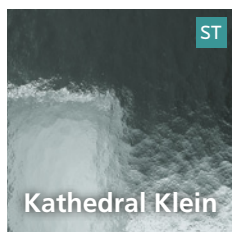
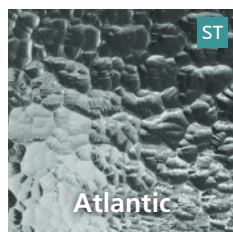
Pattern description:

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

Special information:

None.

Similar patterns:



ST Standard pattern

OR Pattern on request

Processability and thickness tolerance:

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
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)
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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)
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Solar Factor: g	86	85	83	81
Colour Rendering (EN 410): Ra	99	99	98	98
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AGC GLASS EUROPE, A LEADER IN FLAT GLASS

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Applications:

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



Pattern availability:

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

Minimum order:

Pattern on request: 2 full loads (48 tons)

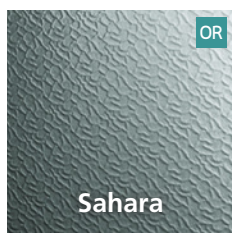
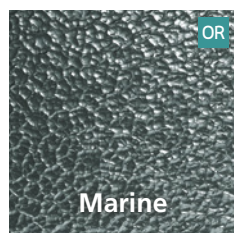
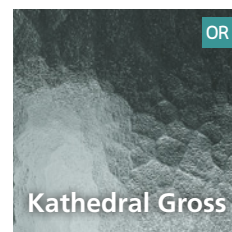
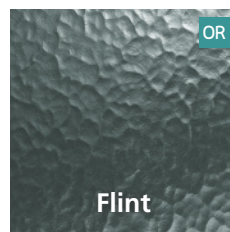
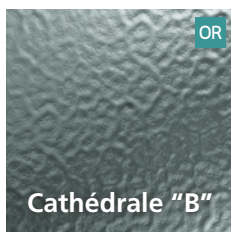
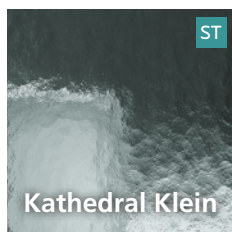
Pattern description:

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

Special information:

None.

Similar patterns:



ST Standard pattern

OR Pattern on request

Processability and thickness tolerance:

Thickness (mm)	Thickness tolerance (EN 572-5)	Tempering	Lamination	IGU
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

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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): τ_v / ρ_v / ρ'	90/8/8	89/8/8	89/8/8	87/8/8
Solar transmission / Reflection/ (EN 410): τ_e / ρ_e / $\rho'e$	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
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AGC GLASS EUROPE, A LEADER IN FLAT GLASS

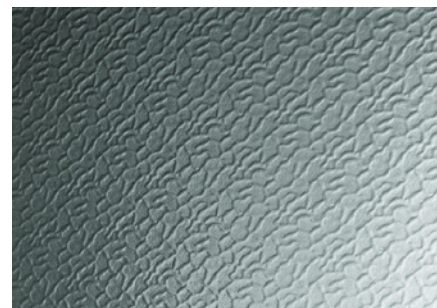
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Applications:

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



Pattern availability:

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

Minimum order:

Pattern on request: 2 full loads (48 tons)

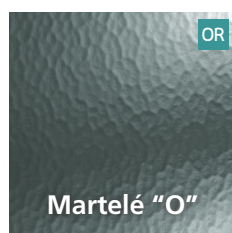
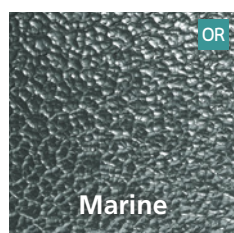
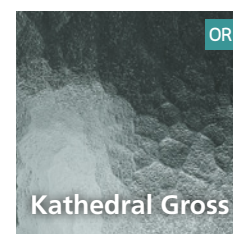
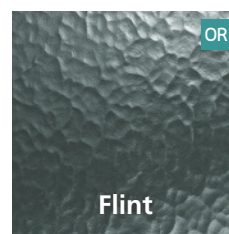
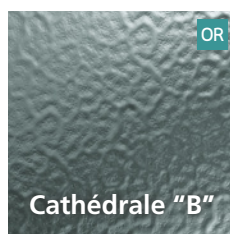
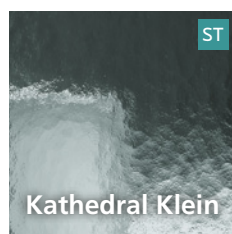
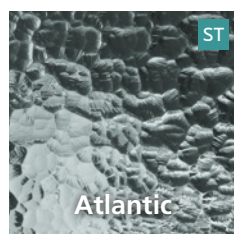
Pattern description:

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

Special information:

None.

Similar patterns:



ST Standard pattern

OR Pattern on request

Processability and thickness tolerance:

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

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Characteristic	Symbol	Value and unit
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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
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