

Raywall 45

CLEAR PATTERNED GLASS



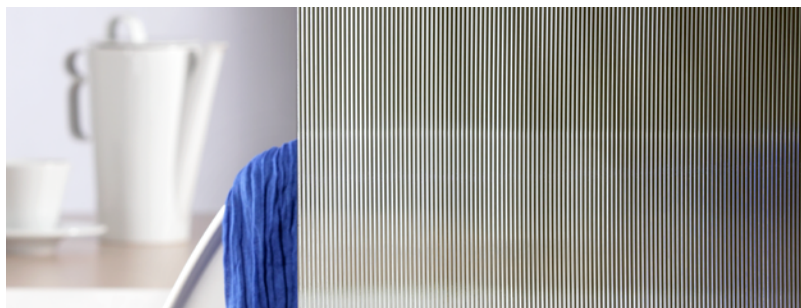
IMAGIN CLEAR

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
- windows
- atriums
- doors
- façades
- 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	

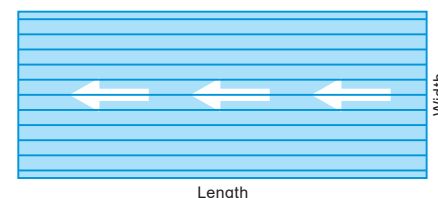
Minimum order

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

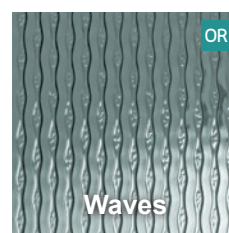
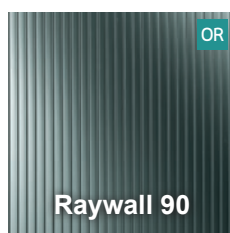
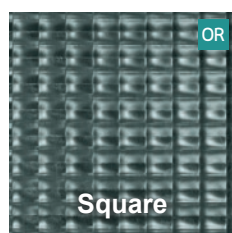
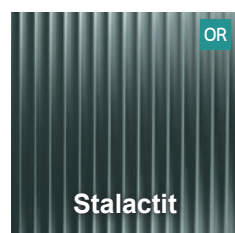
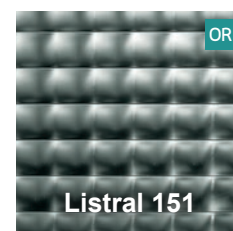
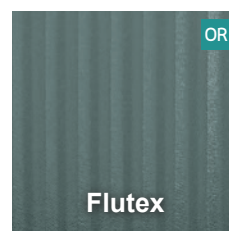
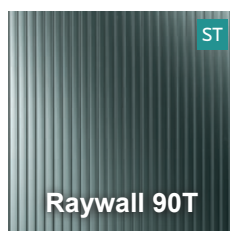
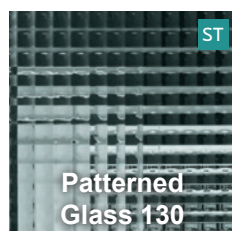


Special information

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.
Lamination is possible when using min. 4 PVB or EVA interlayers.

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): τ_v / ρ_v / ρ'	90/8/8	89/8/8	89/8/8	87/8/8	86/8/8
Solar transmission / Reflection (EN 410): τ_e / ρ_e / $\rho'e$	84/8/8	82/7/7	80/7/7	77/7/7	74/7/7
Solar Factor: g	86	85	83	81	79
Colour Rendering (EN 410): Ra	99	99	98	98	97
UV Transmission (EN 410)	63	60	57	52	48

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

AGC GLASS EUROPE, A EUROPEAN LEADER IN FLAT GLASS

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