

IMAGIN & OLTRELUCE CLEAR PATTERNED GLASS



Circles®

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 x width in mm)
4	3350 x 2040
6	
8	

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

* maximum dimensions 3750 x 2040 mm

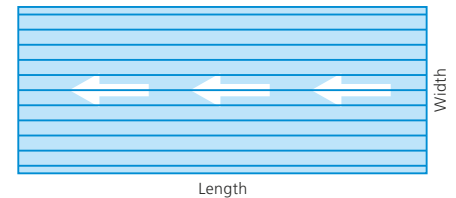
Minimum order:

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
Yes	—	—	3 mm / 1 m	6 mm / 1 m

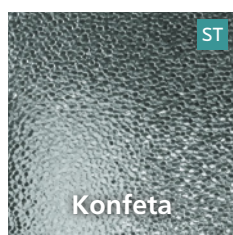
Pattern direction:



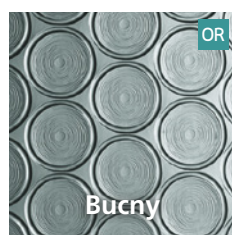
Special information:

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

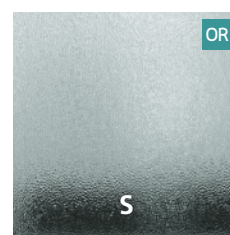
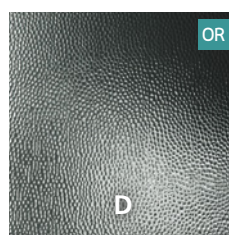
Similar patterns:



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	✓	✗	✗
	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-younglass.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): $\tau_v / \rho_v / \rho'$	90/8/8	89/8/8	89/8/8	87/8/8	86/8/8
Solar transmission / Reflection (EN 410): $\tau_e / \rho_e / \rho'e$	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-younglass.com.

AGC GLASS EUROPE, A LEADER IN FLAT GLASS

AGC Glass Europe is the European flat glass branch of AGC, the world's leading glassmaker. Its baseline, Glass Unlimited, reflects its core assets: innovative strength in advanced glass technologies, a global sales network and an industrial presence stretching from Spain to Russia. AGC Glass Europe has representatives worldwide – See www.agc-younglass.com for further addresses.