



GlareShield®

ANTI-REFLECTIVE GLASS - BY GLASSHAPE

GlareShield® - Anti-Reflective Glass

GlareShield® is an anti-reflective double side coated glass that provides improved visual transmission, picture clarity and reduced glare with its very low residual reflection. Traditional glass reflects 8-12% of the incident light. GlareShield®, however, reflects as little as 0.5% of the incident light, allowing up to 99.5% of light to pass through without unwanted reflections or mirror-like effects. It is thus used in structures where low glare is a requirement and crystal-clear quality of glass is key, as in larger west facing facades, retail displays, stadiums, and viewing galleries.

GlareShield® provides a new dimension for glass as it is seemingly invisible with almost no reflectance or colour distortions in transmission. Produced with a durable multi-layered optical thin coating with Magnetron Sputtering Technology which performs like hard coating, it can be tempered, laminated, double-glazed or ceramic printed using VisionInk®. GlareShield® is available on regular float, extra clear and tinted green and grey float glass.

Product Features

Durability

GlareShield® is produced by Magnetron Sputtering Technology which creates a superior hard coating finish. The multi-layered coating of metal oxide does not corrode, is hard wearing and durable. In terms of abrasion resistance, GlareShield® is comparable to regular clear float glass.

High VLT

GlareShield® improves transparency and increases light transmission with its high degree of clarity and non-reflective surface.

Optical Clarity

GlareShield® reduces glare, mirror-like effects and reflections to minimum. With a reflection of less than 0.5%, the non-reflective properties are optimised for direct viewing of the glass, making it almost invisible.

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Uses and Applications

- Airport enclosures
- Building facades with Low Glare requirements
- Control and surveillance rooms
- Hotels
- Information displays
- Interior decoration
- Picture frames
- Point of purchase displays
- Scenic restaurants
- Shopping malls
- Shop fronts and showcases
- Stadium VIP lounge



Performance Information

Performance comparison of GlareShield® Anti-Reflective Glass

Glass Make-Up	Light Trans. (%)	Ref. (out %)	Solar Energy Trans (%)	Solar Energy Ref. (out %)	SC	U-Value (W/m ² k) (Summer)
Standard 6mm Low Iron Glass	91	9	89	8	1.03	5.7
6mm Clear GlareShield® with Anti-Reflective #2	93	5	79	9	0.95	5.7
6mm Clear GlareShield® with Anti-Reflective on both surfaces	98	1	78	11	0.93	5.7
6mm Low Iron GlareShield® with Anti-Reflective #2	95	5	85	11	0.99	5.7
6mm Low Iron GlareShield® with Anti-Reflective on both surfaces	95	5	85	11	0.99	5.7

Additional Information

Residual Reflection	< 0.5% of Anti-Reflective coated on both surfaces
Colour of Residual Reflection	Neutral
Colour Consistency in Transmittance	No colour shift

Product Sizes

	GlareShield®	
	1 side coated	2 side coated
Minimum Size (W/mm x H/mm)	300 x 300	300 x 300
Maximum Size (W/mm x H/mm)	5,100 x 3,210	1,900 x 3,005
Glass Thickness (mm)	Standard Clear, Low Iron: 2 to 12	
	Green, Grey Tinted: 6	

Applicability

GlareShield® can be used in laminated or insulated glass to provide further mechanical strength and safety.

Complete certified glass solutions designed for your application