

AMIRAN® anti-reflective glass

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Low in reflection, neutral in colour, nearly invisible

SCHOTT AMIRAN® anti-reflective glass for showcases offers crystal clear transparency, even with a significant difference in the amount of light in front of and behind the pane. It reduces reflections to just a fraction of those seen with conventional glass. This makes AMIRAN® anti-reflective glass the material of choice for showcases.

Summary...

- SCHOTT AMIRAN® – the invisible glass
- AMIRAN® is unique due to its unrivalled mechanical and chemical strength and its robustness
- AMIRAN® is an established and strong premium brand in the market
- AMIRAN® is outstanding due to its overall performance combined with superior services
- certain processing options possible
- best anti-reflective glass for bent applications

Transparency...

- extremely high transmission – no visible reflection (1%, instead of 8% with float glass)
- reduction of unwanted reflection to provide perfect view through glass – especially in complex lighting conditions
- high Colour Rendering Index for crystal clear transparency
- ability to photograph through SCHOTT AMIRAN®

Quality...

- best available anti-reflective coating
- easy handling for processors:
- highly scratch-resistant
- easier to clean and easier to temper than sputter-coated products
- best bendable product on market
- long durability for end users
- easy to clean









SCHOTT AMIRAN® – Anti-Reflective Glass

Technical Data Sheet






Base material: Extra-clear low-iron float glass

Processing: Tempered safety glass/heat strengthened glass/laminated safety glass/Curved glass/insulating glass/sun protection glass/sound protecting glass/alarm glass/security glazing/screen printing/drilling of holes/edge processing

	Max. net dimensions (min.)	Thickness	Glass substrate	Luminous reflectance	Luminous transmittance	Color rendering index	Thermal transmittance	Solar heat gain coefficient	UV-transmittance
	inches x inches	inches		ρ_{VD65} %	τ_{VD65} %	R_a	U_g btu/f2/F	g %	τ_{UV} %
 AMIRAN®	148 3/8 × 69 3/4	1/6, 1/4, 1/3, 3/8, 1/2	Extra-clear low-iron float glass	1	98	100	1.02	90	63
 AMIRAN® Tempered safety glass/heat strengthened glass	148 3/8 × 69 3/4	1/6, 1/4, 1/3, 3/8, 1/2	Extra-clear low-iron float glass	1	98	100	1.02	90	63
 AMIRAN® LSG with a PVB film	148 3/8 × 69 3/4	Dependant on assembly	Extra-clear low-iron float glass	1	97	100	1.00	89	1
 AMIRAN® Insulating glass optionally as tempered safety glass	148 3/8 × 69 3/4 Dependant on the processor	Dependant on assembly	Extra-clear low-iron float glass	2	96	99	.44	87	49
 AMIRAN® Insulating glass with sun protection, optionally as tempered safety glass	148 3/8 × 69 3/4 Dependant on the processor	Dependant on assembly	Extra-clear low-iron float glass	3	85	98	.19	48	14
 AMIRAN® Insulating glass with heat protection, optionally as tempered safety glass								64	

Conventional glass in comparison

Tempered safety glass	Dependant on the manufacturer	Dependant on the manufacturer	Float glass	approx. 8	90	98	1.02	86	62
			Extra-clear low-iron float glass	approx. 8	91	99	1.02	91	84
Insulating glass	Dependant on the manufacturer	Dependant on the manufacturer	Float glass	approx. 15	80	97	.44	75	39
			Extra-clear low-iron float glass	approx. 15	84	99	.44	83	72

-  Glass pane
-  AMIRAN® anti-reflective coating
-  PVB film
-  Spacer
-  Space between the panes (filled with air or gas)
-  Solar control coating (Arcon Sunbelt Platin)

1. The values refer to a glass thickness of 5/32" for monolithic glasses. The structure selected for laminated safety glass is 5/32" 1/4" 5/32"; for insulating glass units 5/32" 5/8" 5/32" filled with argon gas.
2. The values are calculated based on the standards DIN EN 410 and DIN EN 673.

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To find out more visit www.firmanglass.com

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