

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 $\frac{3}{8}$ x 69 $\frac{3}{4}$	$\frac{1}{6}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{3}{8}$, $\frac{1}{2}$	Extra-clear low-iron float glass	1	98	100	1.02	90	63
 AMIRAN® Tempered safety glass/heat strengthened glass	148 $\frac{3}{8}$ x 69 $\frac{3}{4}$	$\frac{1}{6}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{3}{8}$, $\frac{1}{2}$	Extra-clear low-iron float glass	1	98	100	1.02	90	63
 AMIRAN® LSG with a PVB film	148 $\frac{3}{8}$ x 69 $\frac{3}{4}$	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 $\frac{3}{8}$ x 69 $\frac{3}{4}$ 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 $\frac{3}{8}$ x 69 $\frac{3}{4}$ 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 Extra-clear low-iron float glass	approx. 8 approx. 8	90 91	98 99	1.02 1.02	86 91	62 84
Insulating glass	Dependant on the manufacturer	Dependant on the manufacturer	Float glass Extra-clear low-iron float glass	approx. 15 approx. 15	80 84	97 99	.44 .44	75 83	39 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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