







# 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		$\rho_{\text{DES}}$ %	$\tau_{\text{DES}}$ %	$R_a$	$U_g$ btu/f2/F	$g$ %	$\tau_{\text{UV}}$ %
 <b>AMIRAN®</b>	148 3/8 x 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
 <b>AMIRAN® Tempered safety glass/heat strengthened glass</b>	148 3/8 x 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
 <b>AMIRAN® LSG with a PVB film</b>	148 3/8 x 69 3/4	Dependant on assembly	Extra-clear low-iron float glass	1	97	100	1.00	89	1
 <b>AMIRAN® Insulating glass optionally as tempered safety glass</b>	148 3/8 x 69 3/4 Dependant on the processor	Dependant on assembly	Extra-clear low-iron float glass	2	96	99	.44	87	49
 <b>AMIRAN® Insulating glass with sun protection, optionally as tempered safety glass</b>	148 3/8 x 69 3/4 Dependant on the processor	Dependant on assembly	Extra-clear low-iron float glass	3	85	98	.19	48	14
 <b>AMIRAN® Insulating glass with heat protection, optionally as tempered safety glass</b>								64	

### Conventional glass in comparison

<b>Tempered safety glass</b>	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
<b>Insulating glass</b>	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.

SCHOTT North America, Inc.  
555 Taxter Road  
Elmsford, NY 10523  
USA  
Phone +1 (914) 831-2240  
info.architecture@us.schott.com

[www.us.schott.com/amiran](http://www.us.schott.com/amiran)

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