

TECHNICAL DATA

SWITCHGLASS IGU SPECIFICATIONS – DOUBLE GLAZED UNITS

Glass Colour	Any colour available (clear, bronze, grey, green tint, blue tint)
Decorative Glass	Screen printed, sand blasted, fritted and/or patterned
Glass Type for SwitchGlass Panel	Low iron, annealed, heat strengthened, tempered/toughened (all laminated)
Standard SwitchGlass Panel Thickness	9.52mm, 11.52mm, 13.52mm
Glass Type for IGU External Pane	6mm Low-E Performatech for direct sunlight 6mm Low iron for acoustic
IGU Super Spacer	8mm, 10mm, 12mm
Size	Up to 1,820mm x 3,500mm – Switchglass has the largest size available on the market
Shape	Any shape or curved, including holes, notches and cut-outs
Environmental	Storage: -20degC to 70degC Operation: -10degC to 60degC
Electrical	Driving Voltage: 65V AC (Transformer supplied) Current: 200mA per square metre Power: 5Watts per square metre
Switching Time	Approx. 100 milliseconds at room temperature
Optical	Visual Light Transmission: Approx. 50% to 60% (in 'on' state)
Life	Greater than 25 years (indoors) when used, installed, and stored properly as per the usage, storage and installation specifications referenced herein

- Claim is supported by Manufacturer's testing data.
- Standard Warranty of two (2) years on Switchable Privacy Glass panel (or as specified on quotation).
- To help preserve the longevity of its liquid crystals, Switchable Privacy Glass panel must have at least 4 to 5 hours in its "off" state during a 24 hour cycle and must not be left "on" continuously for over 20 hours at a time.

EXAMPLES OF SWITCHGLASS IGU COMBINATIONS – GUIDE ONLY

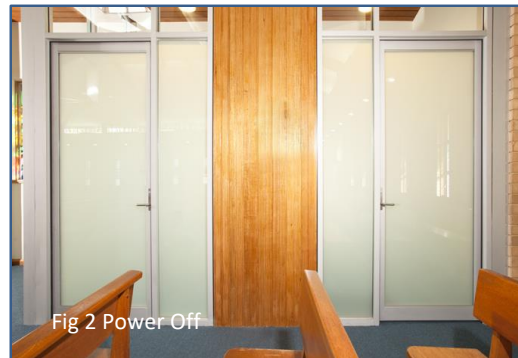
IGU Thickness	IGU Construction for External Applications	dB Acoustic Rating (Rw)
23.52mm	9.52mm Switchglass Panel + 8mm Super Spacer + 6mm Performatech TGH	39
25.52mm	9.52mm Switchglass Panel + 10mm Super Spacer + 6mm Performatech TGH	40
27.52mm	9.52mm Switchglass Panel + 12mm Super Spacer + 6mm Performatech TGH	41
25.52mm	11.52mm Switchglass Panel + 8mm Super Spacer + 6mm Performatech TGH	39
27.52mm	11.52mm Switchglass Panel + 10mm Super Spacer + 6mm Performatech TGH	40
29.52mm	11.52mm Switchglass Panel + 12mm Super Spacer + 6mm Performatech TGH	41
27.52mm	13.52mm Switchglass Panel + 8mm Super Spacer + 6mm Performatech TGH	39
29.52mm	13.52mm Switchglass Panel + 10mm Super Spacer + 6mm Performatech TGH	40
31.52mm	13.52mm Switchglass Panel + 12mm Super Spacer + 6mm Performatech TGH	41
	IGU Construction for Internal Applications	
	Substitute 6mm Performatech TGH with 6mm Low Iron TGH	
Customised acoustic combinations available on request		

EXAMPLES OF SWITCHGLASS IGU PERFORMANCE – GUIDE ONLY

Values are nominal (within 3%) for a Switchglass IGU comprising:

9.52mm Switchglass Panel + 8mm Super Spacer + 6mm Clear Low Iron/Low-E TGH

	Ultra Clear (Low Iron) Switchglass IGU : Power On	Clear (Low-E) Switchglass IGU : Power On
Visible Light Transmission %	60	53
Infrared %	6	4
SHGC	0.32	0.34

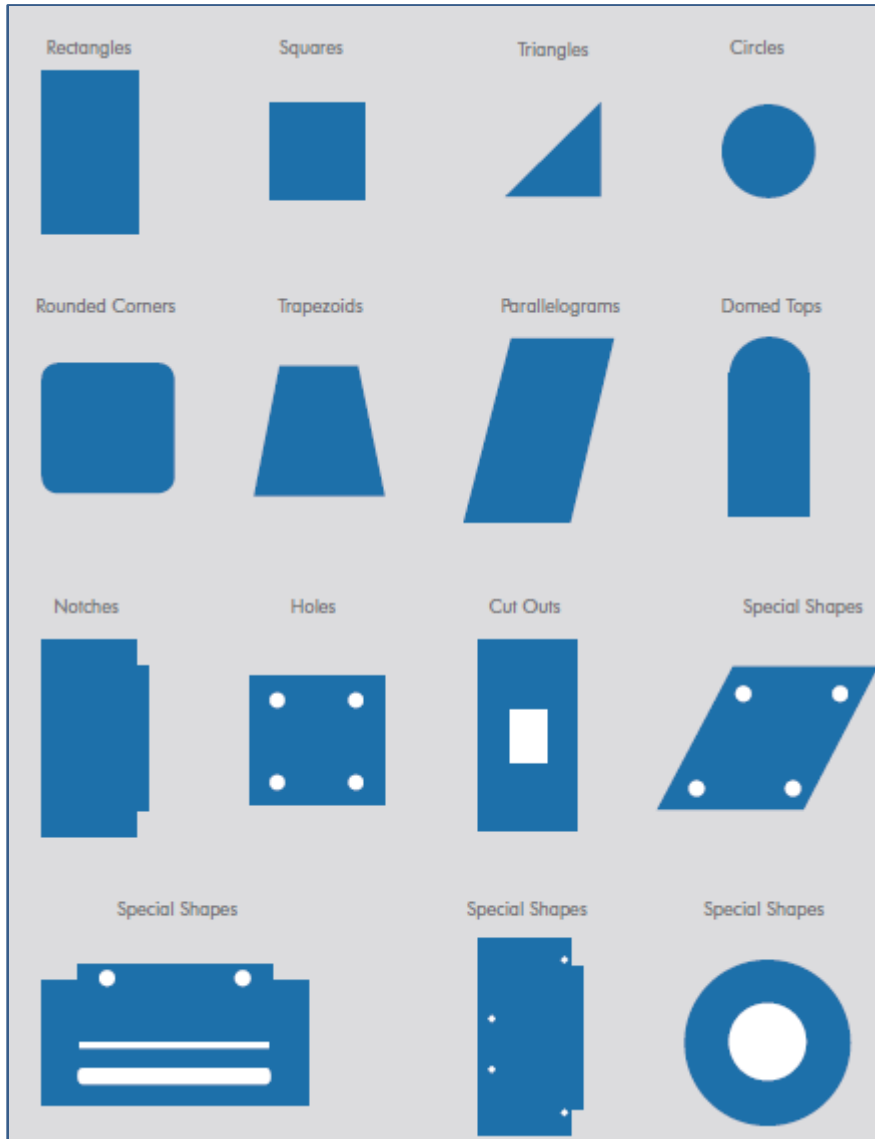


HAZE

Switchable Privacy Glass panels will not be as optically clear as standard float glass. Some degree of haze will always appear due to the nature of the product makeup and will not be considered as a quality failure to replace or refund to the customer.

SWITCHABLE PRIVACY GLASS SHAPES

(Can be manufactured with holes)



Clear, non-switchable areas, very small bubbles and/or visual distortion may be present around notches/holes and cut-outs. Therefore customers must allow for coverage of 10mm all around notches/holes and cut-outs.

EXAMPLE OF A SWITCHGLASS IGU

Total Switchglass IGU thickness: 29.04mm

