

# Insulating Glass Units

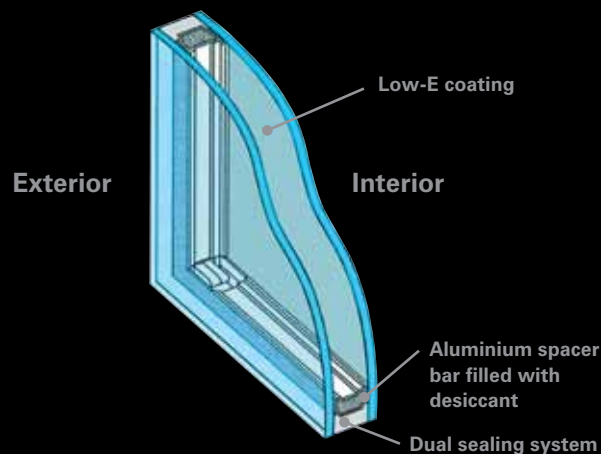
Energy Management  
with built-in safety



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Stegbar insulating glass units (IGU's) use state-of-the-art energy efficient glass which not only keeps homes more comfortable, it is also toughened for extra safety. Manufactured using a dual seal to provide an airtight cavity and utilising a desiccant filled spacer to prevent condensation inside the cavity, a Stegbar IGU is the ultimate energy efficient glazing solution available today.

Stegbar IGU's use offline coated low-E glass from a global leader in glass technology. The result of extensive technological development, offline coated low-E regulates a home's temperature all year round whether it is in balmy Queensland or the Victorian high country.



## Performance Comparison

	Stegbar IGU	Comparison IGU			
	4mm clear 12mm argon 4mm offline low-E	4mm clear 12mm argon 4mm online low-E	4mm clear 12mm air 4mm clear	4mm online low-E	4mm clear
Visible light transmission	69%	74%	80%	82%	88%
U-value	1.36	1.6	2.7	3.7	5.9
SHGC	0.36	0.69	0.74	0.71	0.84
UV transmission	28%	42%	52%	55%	67%

## Terminology

**Visible light transmission** – the percentage of visible light transmitted through the glass. The higher the number the more daylight that enters through the glass.

**U-value** – this is the measurement of insulation between indoors and outdoors, through the glass. The lower the number, the better the glass is at keeping heat in or out of the house.

**Solar Heat Gain Coefficient (SHGC)** – the proportion of directly transmitted and absorbed solar energy that enters through the glass. The lower the number the better the glass is at keeping the sun's heat out of the house.

**UV transmission** – the percentage of ultraviolet light transmitted through the glass. The lower the number the better the glass is at preventing fading of furniture.

**Emissivity** – measures the rate that absorbed heat is let off. The lower the number the less heat that is emitted.

**Low emissivity glass (low-E)** – glass that contains an emissivity coating specifically designed to limit the transfer of heat through the glass.

**Online low-E** – this was the first generation of emissivity coatings. They have a slightly coloured tinge and can be used in single glazing.

**Offline low-E** – the latest technology in emissivity coating provides superior insulation performance and optical clarity. Needs to be used in a sealed IGU.

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