

INFORMATION SHEET - GLAZED UNIT PERFORMANCE VALUES

Information contained in this document has been provided by glass manufacturer, Press Glass.



G-VALUE

G-Value (Solar Factor) is a coefficient used by window manufacturers to measure a window's ability to transmit solar energy. It represents the percentage of solar energy that is transmitted directly or indirectly through the glass to the interior. A lower G-value means higher solar protection and better performance of the solar control glass, as it reduces heat input from the sun.

U-VALUE

U-value measures how much heat energy is lost or gained through a window or structure. It indicates how well or poorly the Insulating Glass Unit (IGU) transmits heat from the inside to the outside. The units are measured in watts per square meter per Kelvin (W/m²K). A lower U-value means less heat is lost through the unit, indicating better insulation.

RW

Rw is a number used to weight the acoustic insulation coefficient. It measures the ability of a building element, such as a window or wall, to reduce sound transmission. The higher the Rw value, the better the sound insulation provided by the element.

DOUBLE GLAZED UNIT

Please note: All performance calculations have been provided by Pilkington simulations

Glass Spec	Combination	Unit Centre Pane (ug) Value	G-Value	RW (dB)
4 / 20 / 4	Clear / Softcoat	1.2 W/m ² K	0.71	32
4 / 20 / 4	Clear / Softcoat 1.0	1.1 W/m ² K	0.48	32
4 / 20 / 4	Low Iron / Softcoat	1.2 W/m ² K	0.74	32
4 / 20 / 4	Low Iron / Softcoat 1.0	1.1 W/m ² K	0.50	32
6.8 / 16 / 4	Clear Laminated / Softcoat	1.2 W/m ² K	0.66	36
6.8 / 16 / 4	Clear Laminated / Softcoat 1.0	1.0 W/m ² K	0.45	36
6.8 / 18 / 4	Clear Laminated / Softcoat	1.2 W/m ² K	0.66	37
6.8 / 18 / 4	Clear Laminated / Softcoat 1.0	1.0 W/m ² K	0.45	37

TRIPLE GLAZED UNIT

Please note: All performance calculations have been provided by Pilkington simulations

Glass Spec	Combination	Unit Centre Pane (ug) Value	G-Value	RW (dB)
4 / 12 / 4 / 12 / 4	Clear / 2 x Softcoat	0.8 W/m ² K	0.61	31
4 / 12 / 4 / 12 / 4	Clear / 2 x Softcoat 1.0	0.7 W/m ² K	0.36	31
4 / 12 / 4 / 12 / 4	Low Iron / 2 x Softcoat	0.8 W/m ² K	0.64	31
4 / 12 / 4 / 12 / 4	Low Iron / 2 x Softcoat 1.0	0.7 W/m ² K	0.37	31
4 / 16 / 4 / 16 / 4	Clear / 2 x Softcoat	0.6 W/m ² K	0.61	32
4 / 16 / 4 / 16 / 4	Clear / 2 x Softcoat 1.0	0.5 W/m ² K	0.36	32
4 / 16 / 4 / 16 / 4	Low Iron / 2 x Softcoat	0.6 W/m ² K	0.64	32
4 / 16 / 4 / 16 / 4	Low Iron / 2 x Softcoat 1.0	0.5 W/m ² K	0.37	32
6.8 / 10 / 4 / 12 / 4	Clear Laminated / 2 x Softcoat	0.8 W/m ² K	0.57	36
6.8 / 10 / 4 / 12 / 4	Clear Laminated / 2 x Softcoat 1.0	0.7 W/m ² K	0.34	36
6.8 / 14 / 4 / 16 / 4	Clear Laminated / 2 x Softcoat	0.6 W/m ² K	0.57	40
6.8 / 14 / 4 / 16 / 4	Clear Laminated / 2 x Softcoat 1.0	0.6 W/m ² K	0.34	40