



Low-E1.1 Neutralite™

You don't need to see why you save more!



Guardian Low-E 1.1 Neutralite™ is the latest best performing and most colour neutral thermal insulating low-emissivity coating of its kind.

Guardian goes for excellence. Being at the forefront of glass-coating technology and its ongoing innovation in this field, Guardian now developed a hardly visible and thus extremely colour neutral glass-coating with excellent thermal insulation properties.

With a U-value of just 1.1 W/m².K, a very high light transmittance and low reflectance, but with an extremely neutral appearance, you now can easily convince your customers to save money on energy bills, without seeing why.



Performance Characteristics

The values quoted are based on an insulating glass unit, comprising 4 mm clear float-glass as outer pane, 16 mm argon gas filled cavity and an inner pane of 4 mm Guardian Low-E 1.1 Neutralite™ on number 3 surface.

Light Transmittance:	78%
Light Reflectance:	13%
Direct Solar Transmittance:	53%
Solar Reflectance:	30%
Solar Energy Absorptance:	17%
Total Solar Transmittance (g-value):	62% as by DIN 67507, 65% as by EN 410
Colour Rendering Index:	98
U-value:	1.1 W/m ² .K as by EN 673

Summary of Features

- Only for use in insulating glass units;
- Superior colour neutral appearance both from inside and outside;
- Excellent thermal insulation and thus reduction of heat loss and heating costs;
- High light transmittance;
- High transmittance of solar radiation, and thus free solar heat gain.

Guardian Low-E 1.1 Neutralite™ is a magnetron sputtered coated glass for use in insulating glass units. It can be supplied in annealed or laminated form for safety applications. It can be combined with solar control glass to improve both solar control and thermal insulation performance. It is available in 4, 5, 6 and 8 mm thicknesses with the overall dimension of 3210 x 6000 mm (other thicknesses and dimensions upon request).

This is a general description of the product Guardian Low-E 1.1 Neutralite™. It is the responsibility of the users of this publication, to ensure that the proposed application of the product is appropriate and that such application complies with all relevant local and national legislation, standards, codes of practise and other requirements. Guardian Luxguard-I S.A. hereby disclaims all liability howsoever arising from any error in or omission from this publication and all the consequences of relying on it.

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