



DESCRIPTION

A first by PG Building Glass Solutions (developed in conjunction with PFG Building Glass®).

Designed to reduce solar heat gain and increase the insulation value.

TYPICAL APPLICATIONS

- Where both solar control and thermal insulation is required

BENEFITS & FEATURES

- Superior solar control as well as greatly improved insulation values all within a single glazed laminated safety glass or **PG SmartGlassX2™** double glazed unit.
- Light transmission designed to provide sufficient natural light whilst still reducing glare

APPLICATIONS

A superior product for both residential and commercial buildings.

VARIATIONS

Available in:

- Neutral
- Serene Green
- Bronze
- Grey
- Blue
- Regal Blue
- Aquamarine

ENER-G SMART® can also be used in combination with other PG SmartGlass® products within the **PG SmartGlassX2™** range.

LEGISLATION AND STANDARDS

In order to comply with the N.B.R, SANS 10400 Part XA and SANS 204, PG Building Glass Solutions have developed a product that will assist in meeting these standards.

SIZES AND THICKNESSES

- Standard size: 3210 x 2250mm, additional sizes are available upon request.
- Thickness: Available in all thicknesses from 6.38mm to 13.52mm.



PG SmartGlassX2™

Double Glazing (SIGU)

DESCRIPTION

PG SmartGlassX2™ Double Glazed Units are manufactured using PG X2™ technology which assures you of a quality Double Glazed Unit that is designed to meet comfort and energy saving needs, all while giving you peace of mind.

What is PG X2™

Over 115 years have gone into perfecting our:

- Raw materials
- Quality glass
- Equipment that we have invested in
- Expert manufacturing process
- Quality assurance
- Expert knowledge
- Skilled resources
- Warranties
- Technical support
- Glass traceability

PERFORMANCE DATA TERMS OF REFERENCE



LIGHT TRANSMISSION

The amount of daylight that is allowed through the glass. A higher number indicates a greater degree of daylight comfort.



U-VALUE (Centre of Glass)

A measure of internal heat loss for the window. The lower the number, the better the insulation.



SOLAR HEAT GAIN CO-EFFICIENT

The amount of the sun's radiation which is allowed to pass through the glass. A lower number will contribute towards greater energy efficiency.

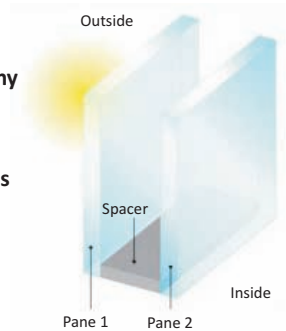


RELATIVE HEAT GAIN

The total heat gain through glass for a specific set of conditions.

PG SmartGlassX2™ is available in any performance glass configuration.

Please contact the PG Building Glass Project Managers for assistance.



10 YEAR GLASS WARRANTY

PG SmartGlassX2™ comes with a 10 year glass warranty. Insist on an PG X2™ warranty that covers product defects - refer to the terms & conditions on our website.

