



# Pilkington **Planar™** Structural Glazing System

## Pilkington **Suncool™** Pro T

### Benefits

- High performance solar-control toughenable coated glass
- Solar-control performance with low-emissivity

### Product Data

- **Substrates:** Pilkington **Optifloat™** Clear & Pilkington **Optiwhite™**
  - **Thickness:** 6 mm, 8 mm, 10 mm & 12 mm
  - **Availability:** To order contact Pilkington Architectural – lead time on request
  - **Products:**
    - Double Glazed Units<sup>1)</sup>
    - Double Glazed Laminates<sup>1)</sup>
    - Triple Glazed Units<sup>1)</sup>
  - **Frit on Coated Surface:** No
  - **Size Limitation:** 4800 mm × 2400 mm<sup>2)</sup>
  - **Maximum Bow:** 0.15%<sup>3)</sup>
  - **Application:** Surface #2
  - **Maximum Edge Dip:** 0.25 mm
  - **Mean Roller Wave Depth<sup>4)</sup>:**
    - 6 mm – 0.05 mm
    - 8 mm – 0.02 mm
    - 10 mm – 0.02 mm
    - 12 mm – 0.02 mm
- For imperial measurements please see below.

### Performance Figures:

| Outer Pane  | 16 mm Cavity | 6 mm Inner Pane                    | Vtc  | Rf(vis) | SHGCc | SCc  | U value Summer | U value Winter |
|---|--------------|------------------------------------|------|---------|-------|------|----------------|----------------|
| 10 mm Pilkington <b>Suncool™</b> 70/40 T                  | Air          | Pilkington <b>Optifloat™</b> Clear | 0.68 | 0.09    | 0.38  | 0.44 | 0.24           | 0.30           |
| 10 mm Pilkington <b>Suncool™</b> 66/33 T                  | Air          | Pilkington <b>Optifloat™</b> Clear | 0.63 | 0.16    | 0.32  | 0.37 | 0.22           | 0.29           |
| 10 mm Pilkington <b>Suncool™</b> 50/25 T                  | Air          | Pilkington <b>Optifloat™</b> Clear | 0.48 | 0.18    | 0.25  | 0.29 | 0.22           | 0.29           |
| 10 mm Pilkington <b>Suncool™</b> 70/35 T                  | Air          | Pilkington <b>Optifloat™</b> Clear | 0.67 | 0.15    | 0.34  | 0.39 | 0.22           | 0.29           |
| 10 mm Pilkington <b>Suncool™</b> 60/27 T                  | Air          | Pilkington <b>Optifloat™</b> Clear | 0.58 | 0.16    | 0.26  | 0.30 | 0.22           | 0.29           |
| 10 mm Pilkington <b>Suncool™</b> 70/40 OW <sup>5)</sup> T | Air          | Pilkington <b>Optiwhite™</b>       | 0.73 | 0.10    | 0.41  | 0.47 | 0.24           | 0.30           |
| 10 mm Pilkington <b>Suncool™</b> 66/33 OW <sup>5)</sup> T | Air          | Pilkington <b>Optiwhite™</b>       | 0.68 | 0.17    | 0.34  | 0.39 | 0.22           | 0.29           |
| 10 mm Pilkington <b>Suncool™</b> 50/25 OW <sup>5)</sup> T | Air          | Pilkington <b>Optiwhite™</b>       | 0.52 | 0.19    | 0.26  | 0.30 | 0.22           | 0.29           |
| 10 mm Pilkington <b>Suncool™</b> 70/35 OW <sup>5)</sup> T | Air          | Pilkington <b>Optiwhite™</b>       | 0.72 | 0.16    | 0.35  | 0.41 | 0.22           | 0.29           |
| 10 mm Pilkington <b>Suncool™</b> 60/27 OW <sup>5)</sup> T | Air          | Pilkington <b>Optiwhite™</b>       | 0.61 | 0.16    | 0.26  | 0.29 | 0.22           | 0.29           |
| 12 mm Pilkington <b>Suncool™</b> 70/40 T                  | Air          | Pilkington <b>Optifloat™</b> Clear | 0.67 | 0.09    | 0.37  | 0.43 | 0.24           | 0.30           |
| 12 mm Pilkington <b>Suncool™</b> 66/33 T                  | Air          | Pilkington <b>Optifloat™</b> Clear | 0.62 | 0.15    | 0.32  | 0.37 | 0.22           | 0.29           |
| 12 mm Pilkington <b>Suncool™</b> 50/25 T                  | Air          | Pilkington <b>Optifloat™</b> Clear | 0.47 | 0.18    | 0.25  | 0.29 | 0.22           | 0.29           |
| 12 mm Pilkington <b>Suncool™</b> 70/35 T                  | Air          | Pilkington <b>Optifloat™</b> Clear | 0.66 | 0.15    | 0.33  | 0.38 | 0.22           | 0.29           |
| 12 mm Pilkington <b>Suncool™</b> 60/27 T                  | Air          | Pilkington <b>Optifloat™</b> Clear | 0.57 | 0.15    | 0.26  | 0.30 | 0.22           | 0.29           |
| 12 mm Pilkington <b>Suncool™</b> 70/40 OW <sup>5)</sup> T | Air          | Pilkington <b>Optiwhite™</b>       | 0.73 | 0.10    | 0.41  | 0.47 | 0.24           | 0.30           |
| 12 mm Pilkington <b>Suncool™</b> 66/33 OW <sup>5)</sup> T | Air          | Pilkington <b>Optiwhite™</b>       | 0.68 | 0.17    | 0.34  | 0.39 | 0.22           | 0.29           |
| 12 mm Pilkington <b>Suncool™</b> 50/25 OW <sup>5)</sup> T | Air          | Pilkington <b>Optiwhite™</b>       | 0.51 | 0.19    | 0.26  | 0.30 | 0.22           | 0.29           |
| 12 mm Pilkington <b>Suncool™</b> 70/35 OW <sup>5)</sup> T | Air          | Pilkington <b>Optiwhite™</b>       | 0.72 | 0.16    | 0.35  | 0.40 | 0.22           | 0.29           |
| 12 mm Pilkington <b>Suncool™</b> 60/27 OW <sup>5)</sup> T | Air          | Pilkington <b>Optiwhite™</b>       | 0.61 | 0.16    | 0.26  | 0.29 | 0.22           | 0.29           |

#### Notes:

- 1) The specification of a post-toughenable solar-control coating requires that the coating be edge deleted from under the edge seal in order to create a secure and durable hermetic seal. Every effort is made to control the process quality during edge deletion of the coating, however it should be understood that this process can create visible effects at the edge of the unit which can manifest themselves for example as a variation in colour or an apparent metallic sheen running under the edge seal. Such effects are characteristic of the product and do not constitute a reason to reject it.
  - 2) Alternate sizes and combinations possible, please contact Pilkington Architectural for details.
  - 3) Refer to particular product specification for maximum bow tolerance on combined glass e.g. laminates etc.
  - 4) Roller wave is usually parallel to the short side and should be glazed horizontally where possible.
  - 5) OW – Pilkington **Suncool™** coating applied to Pilkington **Optiwhite™** substrate.
- All performance data for Pilkington **Suncool™** products used in the Pilkington **Planar™** system are after toughening and heat soak testing.

#### Metric to Imperial Measurement Conversions:

6 mm = 1/4"    8 mm = 5/16"    10 mm = 3/8"    12 mm = 1/2"    4800 mm × 2400 mm = 188.98" × 94.48"    0.25 mm = 0.01"    0.05 mm = 0.002"    0.02 mm = 0.0008"

This publication provides only a general description of the products. Further, more detailed, information may be obtained from your local supplier of Pilkington products. It is the responsibility of the user to ensure that the use of these products is appropriate for any particular application and that such use complies with all relevant legislation, standards, codes of practice and other requirements. To the fullest extent permitted by applicable laws, Nippon Sheet Glass Co. Ltd. and its subsidiary companies disclaim all liability for any error in or omission from this publication and for all consequences of relying on it. Pilkington, "Planar", "Suncool", "Optifloat" and "Optiwhite" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.



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The CE marking label for each product, including declared values, can be found at [www.pilkington.com/CE](http://www.pilkington.com/CE)



**Pilkington United Kingdom Limited**

Registered office: European Technical Centre, Hall Lane, Lathom, Nr Ormskirk, Lancashire L40 5UF

Telephone 01744 692000 Fax 01744 692880

[pilkington@respond.uk.com](mailto:pilkington@respond.uk.com)

[www.pilkington.co.uk](http://www.pilkington.co.uk)