

**NEW: Pilkington Pyroclear® Plus meets EW**



## Pilkington Pyroclear® Plus

The new Pilkington **Pyroclear®** Plus range is a follow on development of the tried and tested Pilkington **Pyroclear®** technology. The specially developed heat reflecting coatings enhance the remarkable integrity performance by adding a "Plus" of reduced heat radiation. In combination with tested and approved glazing systems Pilkington **Pyroclear®** Plus meets fire resistance classifications of up to E/EW 60.

Pilkington **Pyroclear®** Plus insulating glass complies with product standard EN 1279-5 and comprises specially designed and processed toughened glass acc. to EN 12150-2 with heat reflecting coating for use in façades, doors, partitioning screens and roofs applications achieving fire resistance classifications of up to E/EW 60.

It is available with various functional coatings matching technical and optical characteristics of the well known Pilkington **Suncool™** and Pilkington **Optitherm™** coatings giving a homogenous optical look across large scale façades.\*

An extensive range of combinations of the Pilkington **Pyroclear®** Plus insulating fire-resistant glass provides a wide choice of solutions meeting additional functional properties, such as safety and sound insulation performance criteria for use in prestigious and demanding projects.

Extensively approved glazed façades and partitioning systems make Pilkington **Pyroclear®** Plus a clear choice for reliable and consistent fire-resistant glass for E/EW applications of up to 1.500 mm x 3.000 mm\*\* (vertical application) and 1.200 mm x 2.800 mm (horizontal/sloped application).

\* Detailed Information on the range of Pilkington **Pyroclear®** Plus heat reflecting coatings available on request.

\*\* For project specific application larger dimensions are available on request.

## Key Benefits

- Reliable and consistent performance in applications up to E/EW 60
- For use in façades, doors, partitioning screens and roof applications
- Superior optical quality (for extra clarity also available in Pilkington **Optiwhite™**)
- $U_g$ -values as low as 1,0 W/m<sup>2</sup>K in DGU
- Pilkington **Pyroclear®** Plus is also available as a specially toughened, heat soaked version acc. to EN 14179-2
- Tested and approved for use in large scale façades and partitioning screens
- Technical and optical characteristics optimized for use with Pilkington **Suncool™** and Pilkington **Optitherm™** coatings
- Can be combined with various types of glass for additional safety and noise insulation performance
- CE certified acc. to EN 1279-5

## Technical Data

Glass type	Pilkington <b>Pyroclear®</b> Plus
Composition	DGU
Fire resistance class <sup>1)</sup>	E/EW 30 / E/EW 60
Application	Internal / External
Nominal Thickness	≥ 22 mm
Weight	≥ 35 kg/m <sup>2</sup>
R <sub>w</sub> -value	≤ 43 dB
U <sub>g</sub> -value	≥ 1,0 W/m <sup>2</sup> K
Light Transmittance	≤ 76 %

<sup>1)</sup> Direction of exposure from one side only.

Technical data for specific product compositions are available on request (fireprotection@nsg.com).



**Pilkington Deutschland AG**

Haydnstraße 19 45884 Gelsenkirchen

Telefon: +49 (0)209 1680 Fax: +49 (0)209 1682056

fireprotection@nsg.com

[www.pilkington.com/fireprotection](http://www.pilkington.com/fireprotection)