

# Certificate

## 3673/83

The product described below and production control has been found to comply with Building Regulations of the National Board of Housing Building and Planning (BBR) with reference to and under conditions described in this certificate.

## Pilkington Pyrostop Fire Protection Glass

### Holder

Pilkington Deutschland AG, Haydnstrasse 19, DE-458 84 Gelsenkirchen  
VAT nummer: DE 811 141 642  
Tel: +49 209 16 80, Fax: +49 209 168 20 75  
Internet: [www.pilkington.com](http://www.pilkington.com)

### Information supplied by

Pilkington Floatglas AB, Box 530, 301 80 Halmstad, Tel: 035-15 30 00, Fax: 035-15 30 30  
Internet: [www.pilkington.se](http://www.pilkington.se)

### Product

Pilkington Pyrostop, fire resistant glass as monolithic glass or insulating glass unit. Fire resistance classes EI 30-EI 120.

### Intended use

Glass panes for installation in vertical fire-cell separating structures made of steel, aluminium or timber that are approved for use in the fire resistance classes as listed below.

### Approval

The products have been found to meet the requirements in the following sections of Boverket Building Regulations (BBR), issued by the National Board of Housing, Building and Planning:

Fire resistance classes 5:231

<i>Glass pane</i>	<i>Max size(mm)</i>	<i>Fire resistance class</i>
Pyrostop 30-10	1400 x 2500	EI 30
Pyrostop 30-12	1400 x 2500	EI 30
Pyrostop 30-103	1000 x 2200	EI 30
Pyrostop 30-17	1500 x 3000	EI 30
Pyrostop 30-17 Triple	1500 x 3000	EI 30
Pyrostop 30-18	1500 x 3000	EI 30
Pyrostop 30-18 Triple	1500 x 3000	EI 30
Pyrostop 30-20	1500 x 3000	EI 30
Pyrostop 30-20 +P3-5A, +P6B	1500 x 3000	EI 30
Pyrostop 30-16 S	1500 x 3000	EI 30
Pyrostop 30-17 S	1500 x 3000	EI 30
Pyrostop 30-18 S	1500 x 3000	EI 30
Pyrostop 30-25	1500 x 3000	EI 30
Pyrostop 30-26	1500 x 3000	EI 30
Pyrostop 30-27	1500 x 3000	EI 30
Pyrostop 30-35	1500 x 3000	EI 30
Pyrostop 30-35 Triple	1500 x 3000	EI 30

<i>Glass pane</i>	<i>Max size(mm)</i>	<i>Fire resistance class</i>
Pyrostop 30-36	1500 x 3000	EI 30
Pyrostop 30-36 Triple	1500 x 3000	EI 30
Pyrostop 30-37 Triple	1500 x 3000	EI 30
Pyrostop 30-37	1500 x 3000	EI 30
Pyrostop 60-101	1500 x 3000	EI 60
Pyrostop 60-171	1500 x 3000	EI 60
Pyrostop 60-171 Triple	1500 x 3000	EI 60
Pyrostop 60-181	1500 x 3000	EI 60
Pyrostop 60-181 Triple	1500 x 3000	EI 60
Pyrostop 60-201	1500 x 3000	EI 60
Pyrostop 60-201 +P3-5A, +P6B	1500 x 3000	EI 60
Pyrostop 60-251	1500 x 3000	EI 60
Pyrostop 60-261	1500 x 3000	EI 60
Pyrostop 60-351	1500 x 3000	EI 60
Pyrostop 60-351 Triple	1500 x 3000	EI 60
Pyrostop 60-361	1500 x 3000	EI 60
Pyrostop 60-361 Triple	1500 x 3000	EI 60
Pyrostop 60-371	1500 x 3000	EI 60
Pyrostop 60-371 Triple	1500 x 3000	EI 60
Pyrostop 90-10	1400 x 2400	EI 90
Pyrostop 90-20	1400 x 2400	EI 90
Pyrostop 120-104	1400 x 2400	EI 120
Pyrostop 120-106	1400 x 2600	EI 120
Pyrostop 120-201	1400 x 2400	EI 120
Pyrostop 120-270	1200 x 2600	EI 120
Pyrostop 120-280	1200 x 2600	EI 120
Pyrostop 120-370	1200 x 2600	EI 120
Pyrostop 120-380	1200 x 2600	EI 120
Pyrostop Line 30-604	1680 x 3000	EI 30
Pyrostop Line 30-602 Triple	1680 x 3000	EI 30
Pyrostop Line 60-603	1500 x 3000	EI 60
Pyrostop Line 60-60 Triple	1680 x 3000	EI 60

### **Associated documents**

Installation instruction "Pilkington Pyrostop/Pyroduer", edition 4200403/03-11 (6 pages).

### **Control**

The factory production control (FPC) is monitored by an independent inspection body.  
Control agreement: Ref no. 310-95-0161, Inspection body: SP Technical Research Institute of Sweden.

When the building proprietor performs inspection at the building site, he shall check the markings to ensure that the correct products have been supplied and that they are used in accordance with the requirements stated in the approval and the associated documents.

## Manufacturer

Production control includes the following site:

Pilkington Deutschland AG, Gelsenkirchen, Germany (marking code GE)

Stock size glass panes are supplied from manufacturer, Pilkington Deutschland AG, to following processors for processing and labeling:

-Pilkington Sverige AB	kod = VETLANDA
-Pilkington Sverige AB	kod = PITEÅ
-Glasfabriken Lindberg & Gemax AB	kod = KALMAR
-GFAB Glasteam AB	kod = MALMÖ
-GFAB Glasteam AB	kod = ALSTERMO
-Pilkington IGP Sp.z o.o.	kod = SKIERNIEWICE
-Drag Industrier AS	kod = BODØ
-Friva AS	kod = SPYDEBERG
-Modum Glassindustri AS	kod = GEITHUS
-Glaseksperten ApS	kod = HJØRRING

## Marking

The products are to be marked at the factory by manufacturer or by processor. The marking consists of a label on every package supplied and a stamp on each delivered glass pane and includes (\* = stamp on glass pane):

Approval holder and manufacturing site	<b>Pilkington Deutschland AG,</b> e.g. <b>Plant 1*</b>
P-mark	<b>P*</b>
Certification body	<b>SP Certifiering</b>
Product type designation: single glass	e.g. <b>30-10*<sup>1)</sup></b>
insulating glass unit	<b>30 DGU*</b>
Certificate number	<b>3673/83*</b>
Fire resistance class	e.g. <b>EI 30</b>
Consecutive manufacture No. or date of production	<b>month/year*</b>
Inspection body	<b>SP</b>

<sup>1)</sup> Can be marked 30-10 or 30-1..

Insulating glass unit shall be supplied with stamp on the spacer bar which includes information about glass composition, glass type, spacer bar, filling, date and place of manufacturing.

### **Basis for approval**

Reports and assessments no. 250000.43/95.275, 250000.43/95.380 and 250060/95.464 from SINTEF, reports no. 210003763-01, 210003980-01, 210003980-05, 210004836-1, 210004900-02, 210005803-01 and 210005803-01-KB from MPA NRW, reports and assessments no. 96R12860A, 96R12860B, 97R12924, 98R13142, P103183C, P103183D, P200844, P302009 and P303120 from SP Technical Research Institute of Sweden, reports no. 149119, 152886 and 338041 from Exova Warrington Fire, report no. 05-V-044 and 11-V-271 from cticm, reports no. 06-V-377, 11-G-061 and 13-V-550 from efectis france, report no. BMT/FEP/F14310 from BM TRADA, reports no. DMT-DO-61-010, DMT-DO-61-012, DMT-DO-61-027 and DMT-DO-61-053 from DMT GmbH & Co. KG and reports no. 11-001613-PR01 (PB-F12-01-de-01), 12-001625-PR01 (KB-F14-01-en-01) and 15-003005-PR02 (PB-F12-01-en-01) from ift Rosenheim.

PYROSTOP GLASRUTA – TEKNISKA DATA, dated 2016-10-12 (46 pages).

### **Comments**

Decoration of Pilkington Pyrostop in the form of sandblasting or etching can be performed. The sandblasting applies on the outside of the fire glass. The treatment shall be performed in such a way that glass edge protection is not affected. The decoration should not be placed too close to the glass edge to be covered of glazing beads by installation.

The insulating glass units Pilkington Pyrostop 30-16 S, 30-17 S and 30-18 S may be fitted with venetian blind systems e.g. SL27MP or SL27C.

Installation instructions shall be supplied with each delivery of glass.

This certificate supersedes the previous certificate with the same number dated 2 February 2017.

### **Period of validity**

This certificate is valid until 2 February 2022.

### **SP Technical Research Institute of Sweden Certification**

Johan Åkesson

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