

Pilkington Pyroclear®

Technical Data



1.0 General details

Explanation of the Product code

e.g. Pilkington **Pyroclear**[®] for E 30-glazing

30-001

1. figure of 1. number _____

30 time of fire resistance in minutes

1. figure of 2. number _____

0 internal-/external application of Pilkington **Pyroclear**[®]

1 internal application

2 external application without additional coating

3 external application with additional coating

4 external application with additional coating for horizontal use or sloped glazing

2. figure of 2. number _____

0 single glass unit

2 single glass unit in combination with patterned glass

5 insulating glass unit in combination with float glass as outer pane

6 insulating glass unit in combination with toughened safety glass as outer pane

7 insulating glass unit in combination with acoustic laminated safety glass as outer pane

8 insulating glass unit in combination with laminated safety glass as outer pane

3. figure of 2. number _____

0,1... used to identify different versions with different compositions in the same fire resistance class

Only the highlighted figures are currently relevant for Pilkington **Pyroclear**[®].

2.0 Pilkington Pyroclear®

2.1 Pilkington Pyroclear® for requirements of fire resistance class E 30

Type	Fire resistant class	Supply form ¹⁾	Additional specification	Thickness approx. mm	Thickness tolerance approx. mm	T _L Light-transmittance approx. %	Total weight approx. kg/m ²	Dimensional tolerance approx. mm	R _w -Sound reduction ²⁾ approx. dB	U _g -value approx. W/m ² K
Pilkington Pyroclear® – internal application for E 30-class										
30-001	E 30	SGU	Standard	6	± 0.2	88	15	± 2.5 ≤ 200 cm	32	5.7
30-002			Standard	8	± 0.3	88	20	± 3.0 > 200 cm ≤ 300 cm	33	5.7
30-003			Standard	10	± 0.3	87	25	± 4.0 ≥ 300 cm	34	5.6
Pilkington Pyroclear® – external application for E 30-class										
30-361	E 30	DGU	with toughened outer pane coating on Pos. 2	20 [Spacer 8] 24 [Spacer 12] 28 [Spacer 16]	± 1.5	depending on coating techn. data see 2.2	30	± 2.5 ≤ 200 cm ± 3.0 > 200 cm	≥ 32	depending on coating techn. data see 2.2
Pilkington Pyroclear® – external application for E 30-class (roof glazing)										
30-402	E 30	DGU	with Pilkington Optitherm™ S3	29 [Spacer 12]	± 1.5	76	41	± 2.5 ≤ 200 cm ± 3.0 > 200 cm	37	1.3 ³⁾

Max. dimensions have to be verified. Please consult our Technical Advisory Service Team. Min. dimension is 200 mm x 350 mm.

¹⁾ SGU = Single Glazed Unit; DGU = Double Glazed Unit

²⁾ Sound insulation tests have been performed acc. to CE-marking requirements in our in-house laboratory in compliance with DIN EN ISO 140-3. Sound reduction values for DGU compositions are stated for air-filled cavity.

³⁾ Stated values applicable for 90 % Argon-filled DGU installed vertically.

2.2 Pilkington Pyroclear® 30-361 with coating – technical data

Coating on Pos. 2 with	T _L Light transmittance approx. %	g-value approx. %	U _g -value ⁴⁾ approx. W/m ² K						
			Spacer 8 mm		Spacer 12 mm		Spacer 16 mm		
			Argon	Krypton	Argon	Krypton	Argon	Krypton	
LowE	≥ 69	≥ 51	1.7	1.2	1.3	1.1	1.2	1.1	
Pilkington									
Suncool™ 66/33	65	37	1.6	1.2	1.2	1.0	1.1	1.1	
Suncool™ 50/25	49	29	1.6	1.2	1.2	1.0	1.1	1.1	
Suncool™ Blue 50/27	50	30	1.6	1.2	1.2	1.0	1.1	1.1	
Suncool™ 40/22	39	25	1.6	1.2	1.2	1.0	1.1	1.1	
Suncool™ 30/17	30	21	1.6	1.2	1.2	1.0	1.1	1.1	
Suncool™ Silver 50/30	49	32	1.6	1.2	1.2	1.0	1.1	1.1	
Suncool™ 70/40	70	43	1.7	1.2	1.3	1.1	1.1	1.1	
Suncool™ 70/35	69	34	1.6	1.2	1.2	1.0	1.1	1.1	

⁴⁾ Stated values applicable for 90 % gas-filled DGU installed vertically.

This publication provides only a general description of the product. Further, more detailed information may be obtained from your local Pilkington Building Products supplier. It is the responsibility of the user to ensure that the use of this product is appropriate for any particular application and that such use complies with all relevant legislation, standards, code of practice and other requirements.

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CE marking confirms that a product complies with its relevant harmonised European Norm.
The CE marking label for each product, including declared values, can be found at www.pilkington.com/CE.



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