

Fire-Resistant Glass Range

Technical Information



Fire Performance Table for Timber Frames

This table provides a quick reference guide only. For further details and specifications please consult Pilkington or a member of our network of independent stockists.

Performance	Wired or Clear	Fire Resistance (mins)		Glass Type	Fire Test Evidence and Recommended Maximum Sizes ^a	
		Integrity	Insulation		Timber Frame ^b	
					Doors	Screens ^c
Integrity and Insulation	Clear	60 ^d	30	15mm Pilkington Pyrostop [™] 30-10 Internal Grade	CF328 ¹ Max area 1.11m ² Max w. 630 or Max h. 1790	CF328 ¹ Max area 5.25m ² Max w. 3000 or Max h. 3000 ^e
		60 ^d	30	18mm Pilkington Pyrostop [™] 30-20 External Grade	CF328 ¹ Max area 1.11m ² Max w. 630 or Max h. 1790	CF328 ¹ Max area 5.25m ² Max w. 3000 or Max h. 3000 ^e
		60 ^d	30	29mm Pilkington Pyrostop [™] 30-15 Internal Grade IGU ^f 32mm Pilkington Pyrostop [™] 30-25 External Grade IGU ^f	–	CF328 ¹ Max area 3.43m ² Max w. 1850 or Max h. 2820
		60	60	23mm Pilkington Pyrostop [™] 60-101 Internal Grade	RF 05035 793 x 1791	CF328 ¹ Max area 5.01m ² Max w. 3000 or Max h. 3000 ^e
		60	60	27mm Pilkington Pyrostop [™] 60-201 External Grade	–	CF328 ¹ Max area 5.01m ² Max w. 3000 or Max h. 3000 ^e
		60	60	37mm Pilkington Pyrostop [™] 60-151 Internal Grade IGU ^g 41mm Pilkington Pyrostop [™] 60-251 External Grade IGU ^g	–	CF328 ¹ Max area 3.53m ² Max w. 1879 or Max h. 2500
		60	60	51mm Pilkington Pyrostop [™] 60-161 S Internal Grade IGU ^h	–	RF04017 Max w. 1220 x Max h. 2470
Integrity with some Insulation	Clear	30	0 ⁱ	7mm Pilkington Pyrodur [™] Plus 30-104 Internal Grade	CF328 ¹ Max area 1.95m ² Max w. 950 x Max h. 2050	CF328 ¹ Max area 3.67m ² Max w. 2050 or Max h. 2050 ^e
		30	0 ⁱ	10mm Pilkington Pyrodur [™] 30-201 External Grade	CF328 ¹ Max area 2.16m ² Max w. 965 or Max h. 2240	CF328 ¹ Max area 4.47m ² Max w. 2114 or Max h. 2523 ^e
		30	0	24mm Pilkington Pyrodur [™] 30-251 External Grade IGU ^l	–	CF328 ¹ Max area 4.47m ² Max w. 2114 or Max h. 2523
		60	0 ⁱ	10mm Pilkington Pyrodur [™] 60-10 Internal Grade	RF 05036 792 x 1790	RF 05036 850 x 1965
		60	0 ⁱ	13mm Pilkington Pyrodur [™] 60-20 External Grade	CF328 ¹ Max area 1.06m ² Max w. 647 or Max h. 2017	C82442 1400 x 2000
Integrity only	Wired	30	0	6mm Pilkington Pyroshield [™] Clear	C81232 - less than 0.5m ² small dim < 250mm	C81232 1170 x 3000 ^k
		30	0	7mm Pilkington Pyroshield [™] Texture	C81232 - less than 0.5m ² small dim < 250mm	C81232 1170 x 3000 ^k
		30	0	6mm Pilkington Pyroshield [™] Safety Clear	C81232 900 x 3000	C81232 1400 x 3000 ^k
		30	0	7mm Pilkington Pyroshield [™] Safety Texture	C81232 900 x 3000	C81232 1170 x 3000 ^k
		60	0	6mm Pilkington Pyroshield [™] Clear	C81232 - less than 0.5m ² small dim < 250mm	C81232 1170 x 3000 ^k
		60	0	7mm Pilkington Pyroshield [™] Texture	C81232 - less than 0.5m ² small dim < 250mm	C81232 1170 x 3000 ^k
		60	0	6mm Pilkington Pyroshield [™] Safety Clear	C81232 900 x 3000	C81232 1400 x 3000 ^k
		60	0	7mm Pilkington Pyroshield [™] Safety Texture	C81232 900 x 3000	C81232 1170 x 3000 ^k

a Maximum tested size does not necessarily relate to maximum fire resistance

b Refer to fire test summaries for frame details

c Use Pilkington **Pyroshield**[™] Safety for areas subject to Approved Document N requirements. i.e. low level glazing and Pilkington **Pyroshield**[™] information from WFR C81232

d Only achieved in this specific test

e Maximum recommended sizes are close to maximum available stock sizes so should only be specified following consultation with Pilkington Technical Helpline

f 15mm (30-15) or 18mm (30-25) Pilkington **Pyrostop**[™] / 8mm steel spacer / 6mm non-fire rated glass

g 23mm (60-151) or 27mm (60-251) Pilkington **Pyrostop**[™] / 8mm steel spacer / 6mm non-fire rated glass

h 23mm Pilkington **Pyrostop**[™] / 22mm spacer with integral blind / 6mm non-fire rated glass

i There is no requirement in UK standards or regulations for insulation of less than 30 minutes, however these products achieve full insulation for a short period of time and remain opaque throughout the test

j 10mm Pilkington **Pyrodur**[™] / 8mm steel spacer / 6mm non-fire rated glass

k Hardwood

l Refer to Pilkington Technical Helpline when considering the use of evidence based on Certifire Approvals

Certifire certification can be viewed at www.wfrc.co.uk/testing.htm

NOTE: The Pilkington fire-resistant glass range holds more than 100 official test approvals, including single glazed and IGU applications. Details can be provided on request. Summary of Physical Data can be found on page 3. Please refer to our published fire test summaries for individual details.