



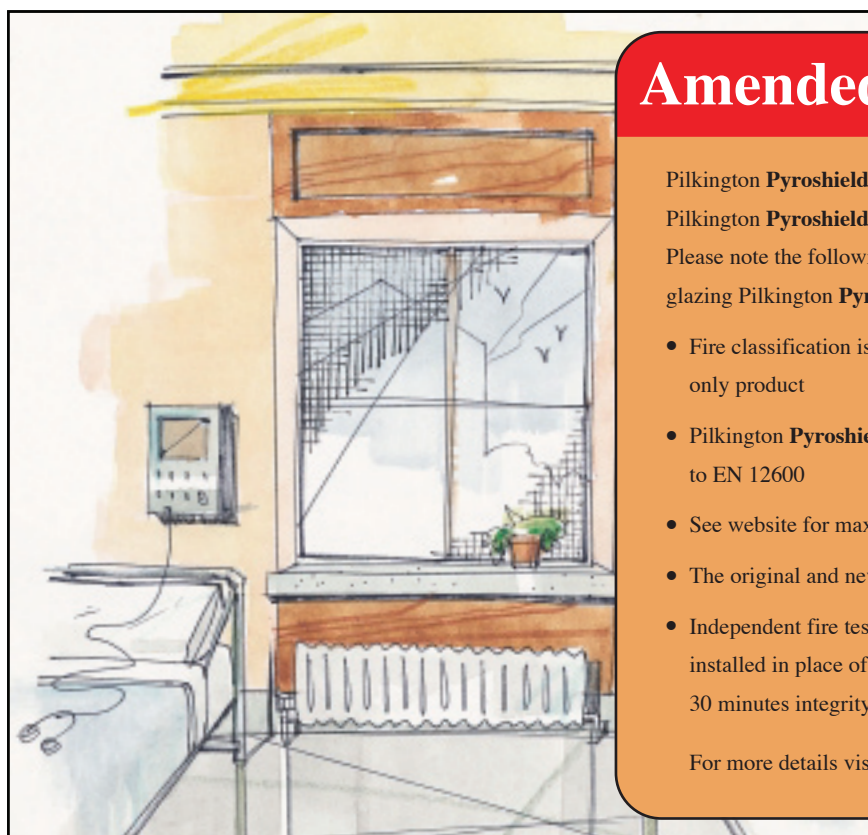
FIRE
RESISTANT
GLASSES

CI/SfB

Ro4 (Aq)

May 1997

Pilkington PYROSHIELD *Safety Clear*



Amended October 2009

Pilkington **Pyroshield™** has been superseded by Pilkington **Pyroshield™ 2** which has different characteristics. Please note the following important points when specifying or glazing Pilkington **Pyroshield™ 2**;

- Fire classification is only as a 30 minute integrity only product
- Pilkington **Pyroshield™ 2** Texture has no classification to EN 12600
- See website for maximum pane sizes for doors and screens
- The original and new products should not be mixed
- Independent fire test evidence confirms that it can be installed in place of Pilkington **Pyroshield™** to provide 30 minutes integrity only in this glazing assembly

For more details visit www.pilkington.co.uk/pyroshield2

FIRE TEST SUMMARY

Multi-pane Steel Screen
30 minutes integrity

Test Reference WARRES 62324



PILKINGTON

Multi-pane Steel Screen

30 minutes integrity

Test Reference:

WARRES 62324

Test Station:

Warrington Fire Research Centre

Test Date:

15th December 1994

Test Sponsor:

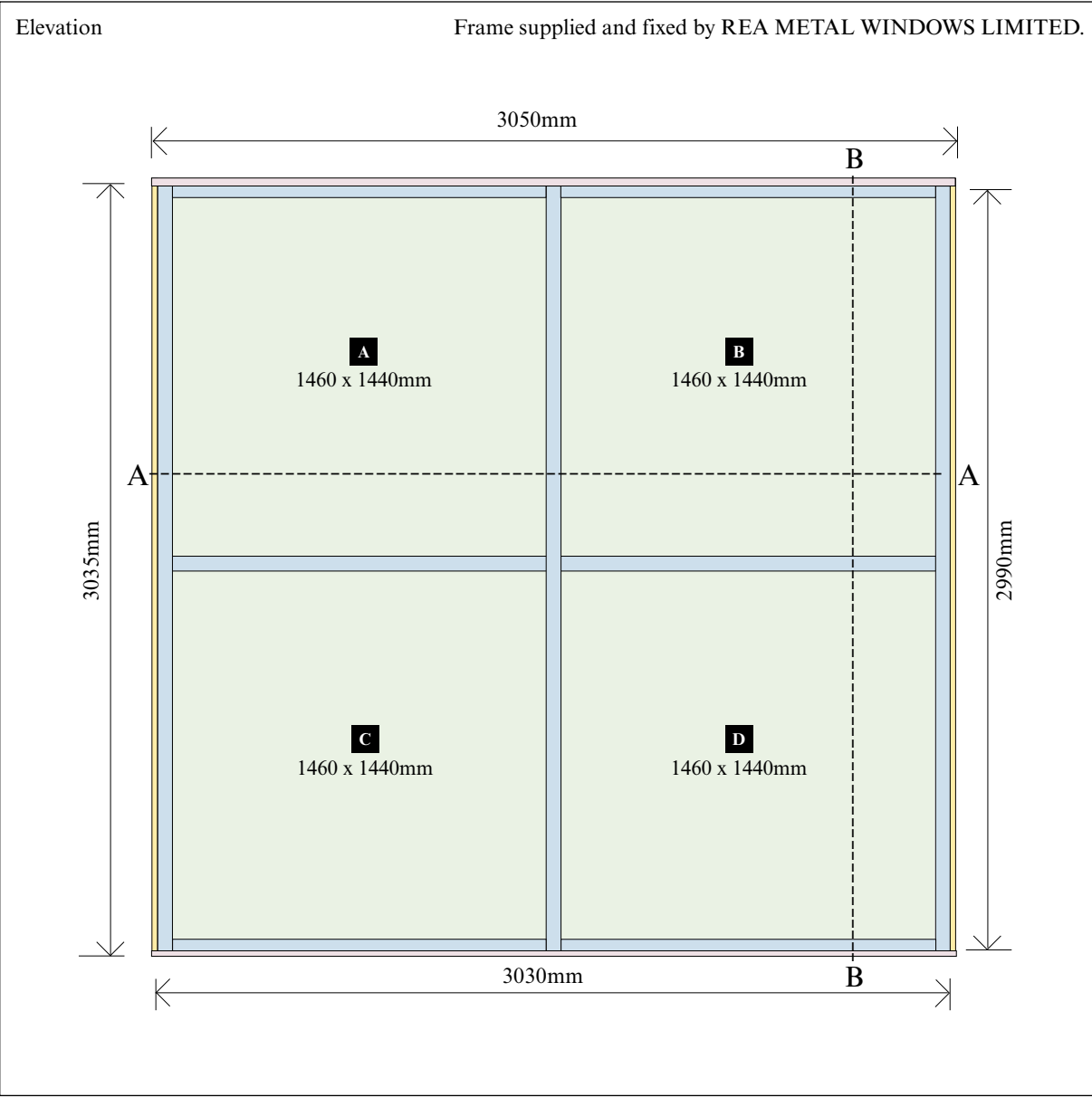
Pilkington United Kingdom Limited

Test Standard:

BS 476: Part 22: 1987

General description of the assembly

- 6mm Pilkington PYROSHIELD *Safety* Clear glass
- Double glazing units with 6mm clear toughened glass
- Units glazed with Pilkington PYROSHIELD *Safety* Clear or clear toughened glass on exposed face
- Steel and aluminium spacers in units
- Mild steel framework
- Glass supported by steel spacers and retained with bolt fixed plates
- Glass bedded using ceramic fibre strips



Glazing dimensions are actual glass sizes

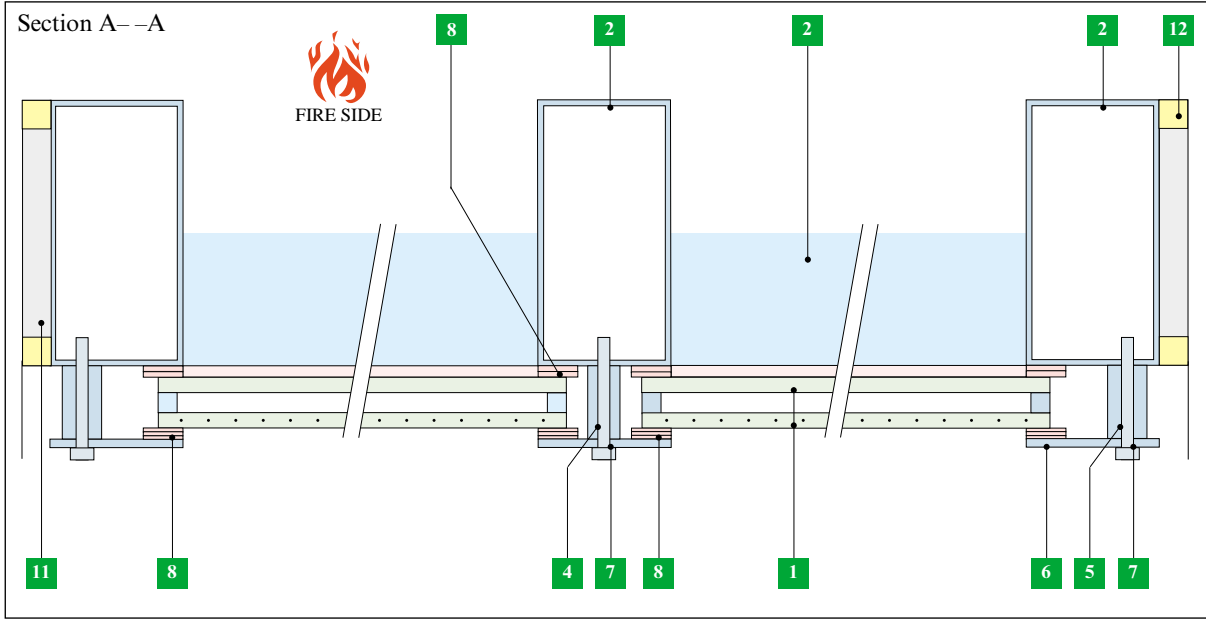
Double Glazing Details

Pane	Fire Side	Non-fire Side	Spacer
A.	6mm clear toughened glass	6mm Pilkington PYROSHIELD <i>Safety</i> Clear	Aluminium
B.	6mm clear toughened glass	6mm Pilkington PYROSHIELD <i>Safety</i> Clear	Steel
C.	6mm Pilkington PYROSHIELD <i>Safety</i> Clear	6mm clear toughened glass	Aluminium
D.	6mm Pilkington PYROSHIELD <i>Safety</i> Clear	6mm clear toughened glass	Steel

Key to figures

- 1 Double glazing units (6mm Pilkington PYROSHIELD *Safety* Clear/ 8mm airspace/6mm clear toughened glass)
- 2 50 x 50 x 2mm mild steel hollow sections, fixed to 100 x 50 x 2mm rectangular hollow sections
- 3 ETERNIT PROMAT Promatect insulation board, pointed with silicone
- 4 10mm mild steel spacers
- 5 15mm mild steel spacers
- 6 50 x 3mm mild steel clamping plates
- 7 4mm diameter x 50mm steel bolts
- 8 Ceramic fibre strips
- 9 6mm thick mild steel fixing shoe
- 10 6mm diameter steel screw
- 11 ROCKWOOL LTD. insulation material
- 12 DUFAYLITE DEVELOPMENTS LTD. Silicone 4 Sealant

For reasons of confidentiality some of the section sizes and fixing details have been omitted. Please contact the frame manufacturer for further information.



Scope

The results of this test only relate to the behaviour of the specimen of the element of construction under the particular conditions of the test. They are not intended to be the sole criteria for assessing the potential fire performance of the element in use nor do they reflect the actual behaviour in fires.

Pilkington PYROSHIELD Safety is classified as a Class C safety glass according to the impact performance requirements of BS 6206:1981, and has been tested extensively in accordance with the fire test requirements of BS 476: Part 22: 1987.

This publication gives a general description of the product and materials. It is the responsibility of the user of this document to ensure that their use is appropriate for any particular application and that such application complies with all relevant local and national legislation, standards, codes of practice and other requirements.

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