

Pilkington Pyrostop™

FIRE TEST SUMMARY

Single Leaf Single Acting Hardwood Doorset in a Glazed Screen
30 minutes Integrity and 30 minutes Insulation

REFERENCE: RF 05037



PILKINGTON

Pilkington Pyrostop™ in Single Leaf Single Acting Hardwood Doorset in a Glazed Screen 30 minutes Integrity and 30 minutes Insulation

Pilkington Pyrostop™ is a clear fire-resistant glass providing integrity and insulation with impact resistance for screens and doors.

Test reference:

RF 05037

Test Station:

Chiltern International Fire Ltd

Test Date:

22nd April 2005

Test Sponsor:

Pilkington United Kingdom Ltd

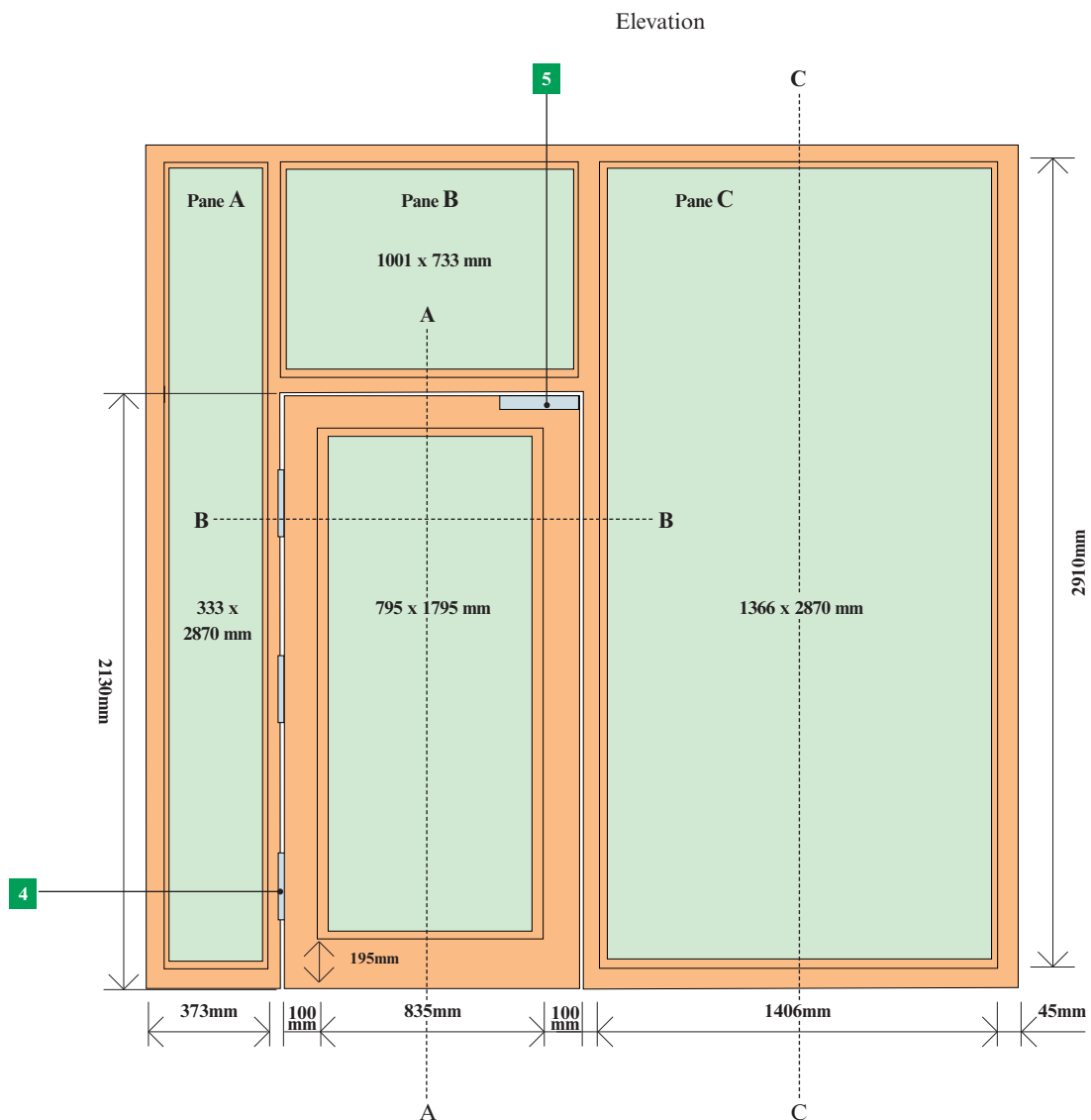
Test Standard:

BS EN 1363 : Part 1 : 1999

BS EN 1634 : Part 1 : 2000

General description of the assembly

- 15mm Pilkington Pyrostop™ 30-10, 18mm Pilkington Pyrostop™ 30-20
- Single leaf, single acting timber doorset in a glazed screen
- Hardwood frames and glazing beads
- Hardwood door and screen
- Intumescent materials incorporated into the construction



Glazing dimensions are actual glass sizes
Diagrams are not to exact proportions

Key to figures

Doorset

- 1** 100mm wide x 44mm thick Sapele Hardwood stile (measured density 640 kg/m³)
- 2** a) Rail: Bottom 195mm wide x 44mm thick Sapele Hardwood (measured density 640 kg/m³)
b) Rail: Top 100mm wide x 44mm thick Sapele Hardwood (measured density 640 kg/m³)
- 3** 20mm wide x 4mm thick Lorient Polyproducts Ltd Palusol LP2004 (centrally filled in the frame reveal). Around hinge – fully interrupted. Under Hinge Blade – Dufaylite Interdens – filled under the hinge blades on the frame and leaf
- 4** 3 No Royde & Tucker H101 100mm long x 35mm wide (blade size) filled 150, 1000 and 1800mm from the head of the leaf

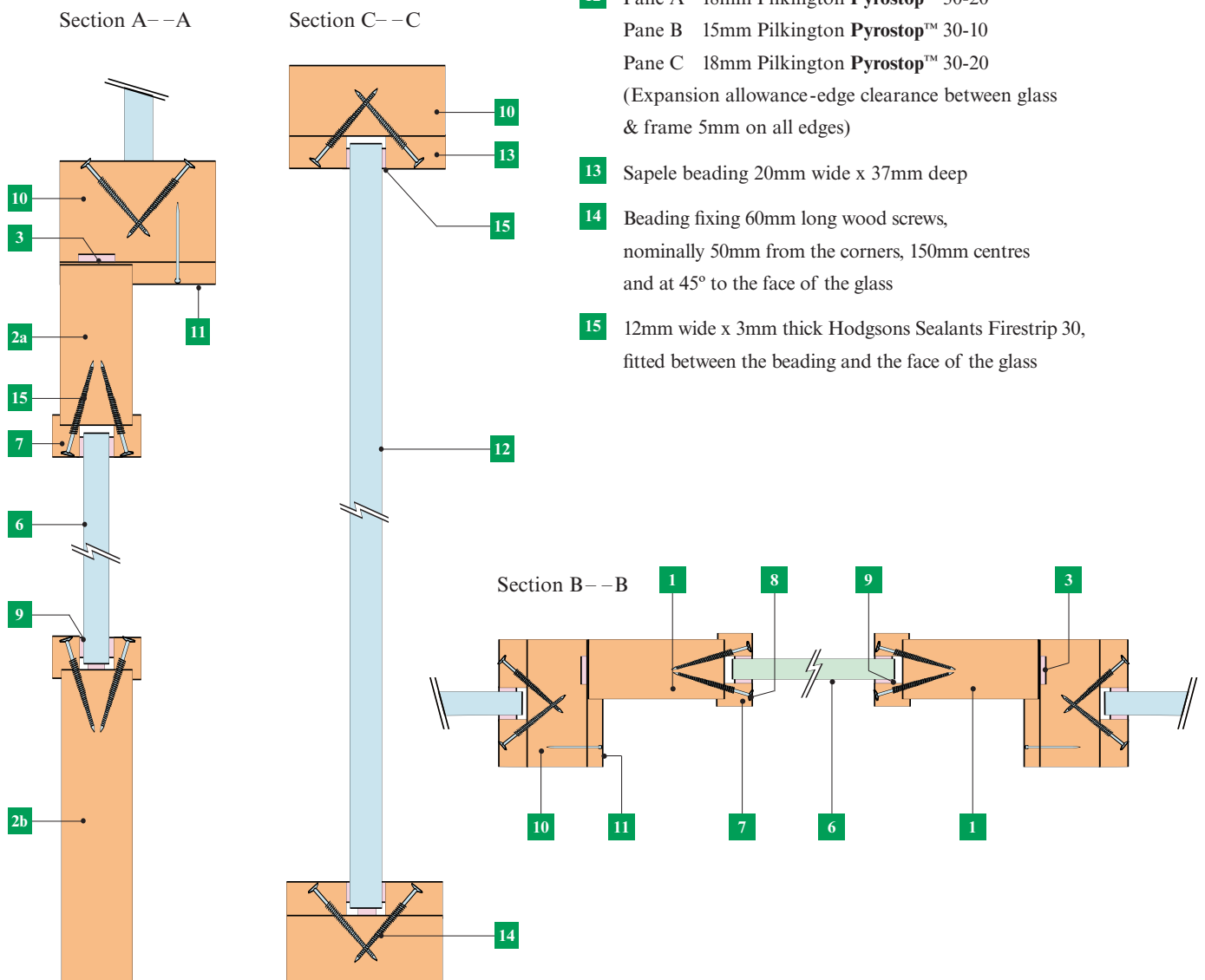
- 5** Dorma Door Controls Ltd T583 overhead closer. 293mm wide x 60mm deep (footprint size) fitted to the exposed face
- 6** 15mm Pilkington **Pyrostop**[™] 30-10
- 7** 20mm high x 16.5mm deep with a 5 x 5 bolection return, Sapele Hardwood glazing bead
- 8** 60mm long wood screws at nominal 150mm centres fitted 50mm from the corners
- 9** Hodgsons Sealants Firestrip 30. 12mm wide x 3mm thick

Screen – frame

- 10** Heads, jambs, transoms & mullions 95mm wide x 45mm thick. Sapele Hardwood (measured density 640 kg/m³)
- 11** Stop-all door leaf location 50mm wide x 20mm deep Sapele-planted (pinned) (measured density 640 kg/m³)

Screen – glazing

- 12** Pane A 18mm Pilkington **Pyrostop**[™] 30-20
Pane B 15mm Pilkington **Pyrostop**[™] 30-10
Pane C 18mm Pilkington **Pyrostop**[™] 30-20
(Expansion allowance-edge clearance between glass & frame 5mm on all edges)
- 13** Sapele beading 20mm wide x 37mm deep
- 14** Beading fixing 60mm long wood screws, nominally 50mm from the corners, 150mm centres and at 45° to the face of the glass
- 15** 12mm wide x 3mm thick Hodgsons Sealants Firestrip 30, fitted between the beading and the face of the glass



Scope

The results of this assessment 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.

15mm Pilkington **Pyrostop**[™] 30-10 is classified as a Class B and 18mm Pilkington **Pyrostop**[™] 30-20 is classified as a Class A safety glass according to the impact performance requirements of BS 6206 : 1981, and have been tested in accordance with the fire test requirements of BS EN 1363 : Part 1 : 1999 and BS EN 1634 : Part 1 : 2000.

This publication gives a general description of the product and materials. It is the responsibility of the user 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.

Pilkington United Kingdom Limited hereby disclaim all liability howsoever arising from any error in or omission from this publication and for all consequences of relying on it.

Pilkington **Pyrostop**[™] is a trade mark of the Pilkington Group.

For technical advice please contact us on the number below.



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