



FIRE
RESISTANT
GLASSES

Pilkington PYROSTOP



F I R E T E S T S U M M A R Y

Timber Doorset

60 minutes integrity & 30 minutes insulation

Assessment Reference C 80885



PILKINGTON

Timber Doorset

60 minutes integrity & 30 minutes insulation

Assessment Reference:

C80885

Test Station:

Warrington Fire Research Centre

Date:

1st November 1995

Sponsor:

Pilkington United Kingdom Limited

Test Standard:

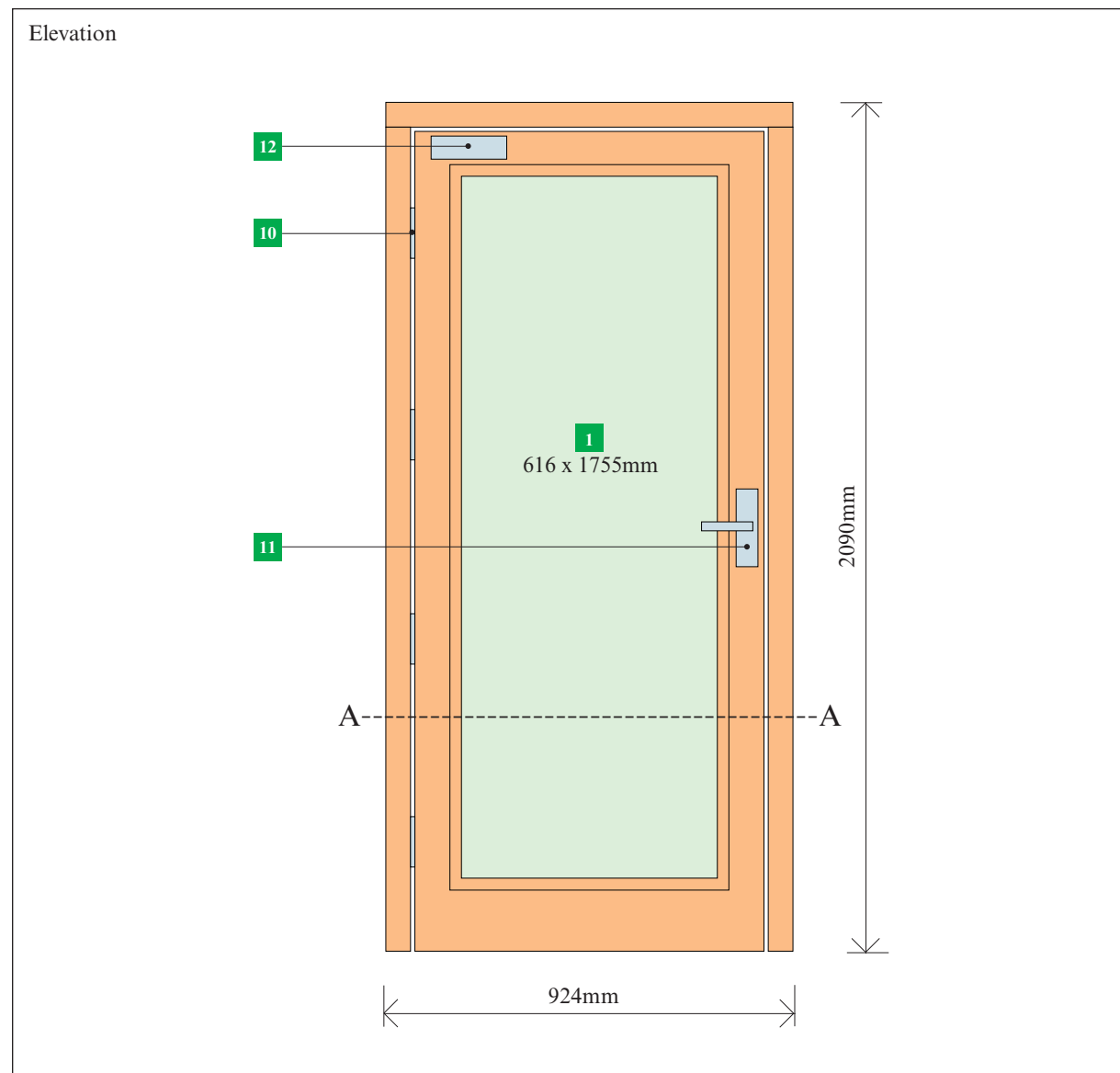
BS 476: Part 22: 1987

Note:

The intumescent seals at the head of the door should be 30 x 4mm or 20 x 6mm. Providing the basic type of intumescent material is maintained and the cross sectional area of the intumescent seal is a minimum of either 52 x 2mm or 64 x 2mm, a similar contribution to the overall fire resistance performance of the doorset to that tested is expected. On this basis it is considered acceptable for graphite based intumescent seals to be obtained from different proprietary sources.

General description of the assembly

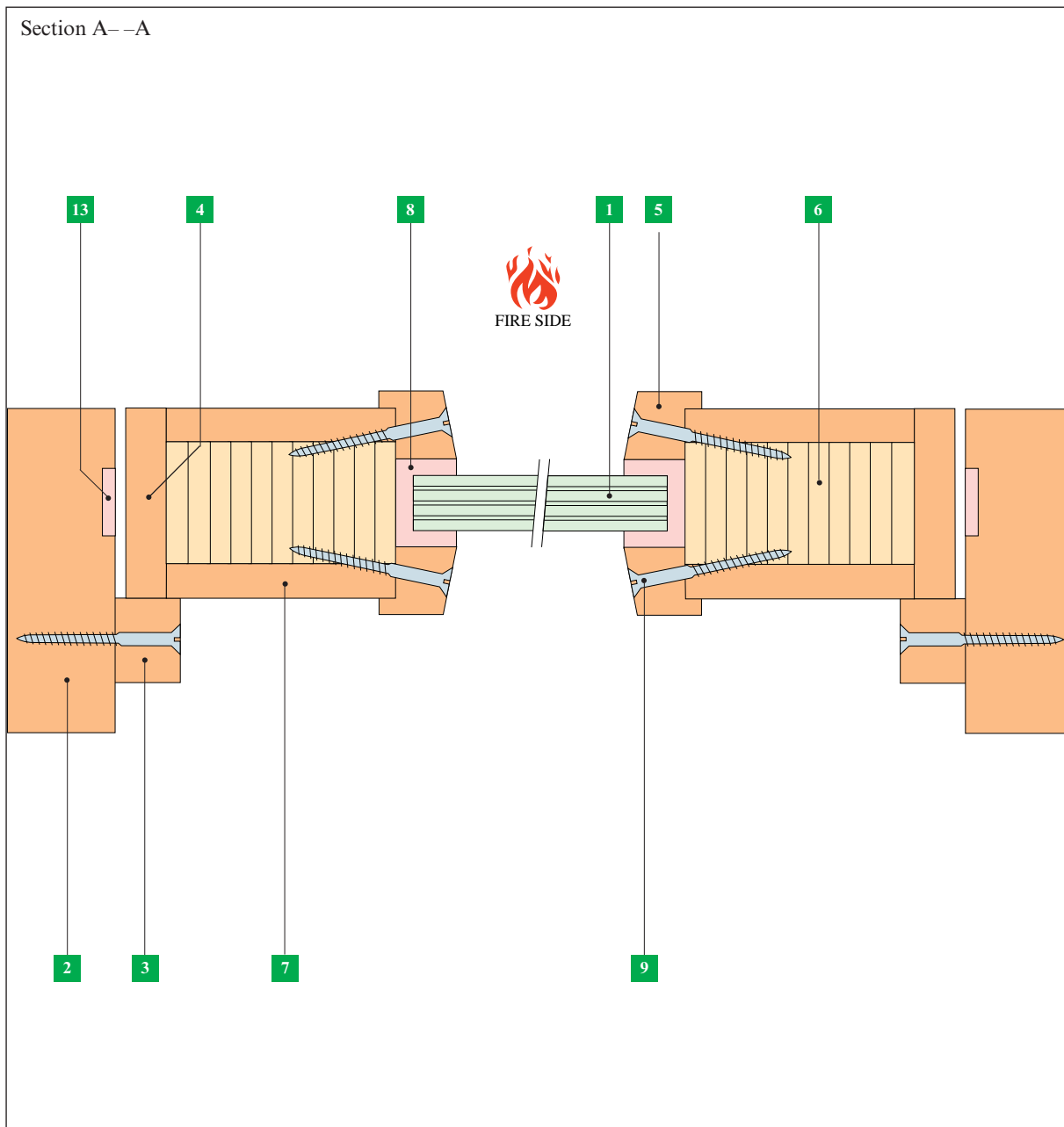
- 15mm Pilkington PYROSTOP glass
- Single leaf, single action doorset
- Glass glazed into proprietary glazing gasket
- Hardwood frames and glazing beads
- Proprietary softwood door
- Intumescent seals incorporated into the construction



Glazing dimensions are actual glass sizes

Key to figures

- 1 15mm Pilkington PYROSTOP glass
- 2 90 x 45mm Utile hardwood door frame (nominal density 650 kg/m³)
- 3 25 x 19mm Utile hardwood door stop
- 4 54 x 10mm Utile hardwood lippings
- 5 20 x 20mm Utile hardwood glazing beads chamfered to 10°
- 6 34 x 6mm core lamellas of spruce softwood (nominal density 500 kg/m³)
- 7 10mm thick fire resistant chipboard (nominal density 700 kg/m³)
- 8 LORIENT POLYPRODUCTS LTD. System 36/15 glazing gasket
- 9 45mm No.8 steel wood screws at nominal 200mm centres
- 10 100 x 35mm SHADBOLT INTERNATIONAL Shadmaster Lift-off steel hinges
- 11 Stainless steel tubular latch
- 12 MODRIC 9151A overhead closer
- 13 20 x 4mm INTUMESCENT SEALS LTD. Therm-a-seal intumescent seal



Scope

The results of this assessment only relate to the anticipated 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 glass is classified as a Class B 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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