



FIRE  
RESISTANT  
GLASSES

# Pilkington PYRODUR



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

**Timber Doorset**  
*30 minutes integrity*

Assessment Reference C 81599



**PILKINGTON**

# Timber Doorset

## 30 minutes integrity

### Assessment Reference:

C81599

### Test Station:

Warrington Fire Research Centre

### Date:

1st June 1995

### Sponsor:

Pilkington United Kingdom Limited

### Test Standard:

BS 476: Part 22: 1987

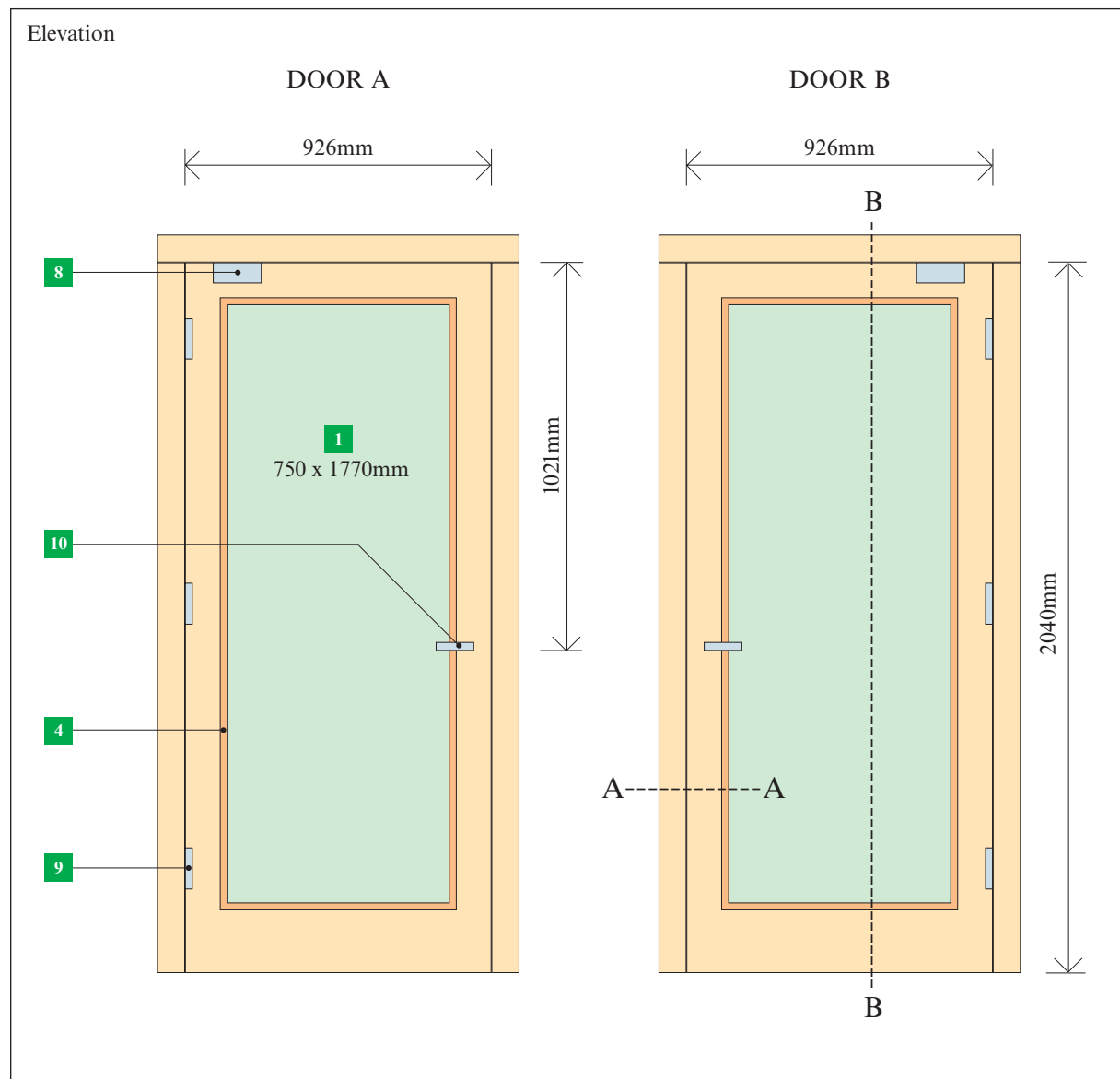
### Note:

The doorsets to which the Pilkington PYRODUR glass is fitted must have incorporated glazing and been successfully tested or assessed (by WFRFC) to BS 476: Part 22: 1987.

The door leaves may be latched or unlatched, single or double-leaf, single or double-acting, providing that the glazed doorset has been shown to be capable of providing at least 30 minutes integrity in these configurations. Pilkington PYRODUR glass may not be fitted into a proposed door leaf above the glass pane size tested within the relevant door leaf. Maximum assessed glass size covered by this assessment is 920 x 1990mm.

### General description of the assembly

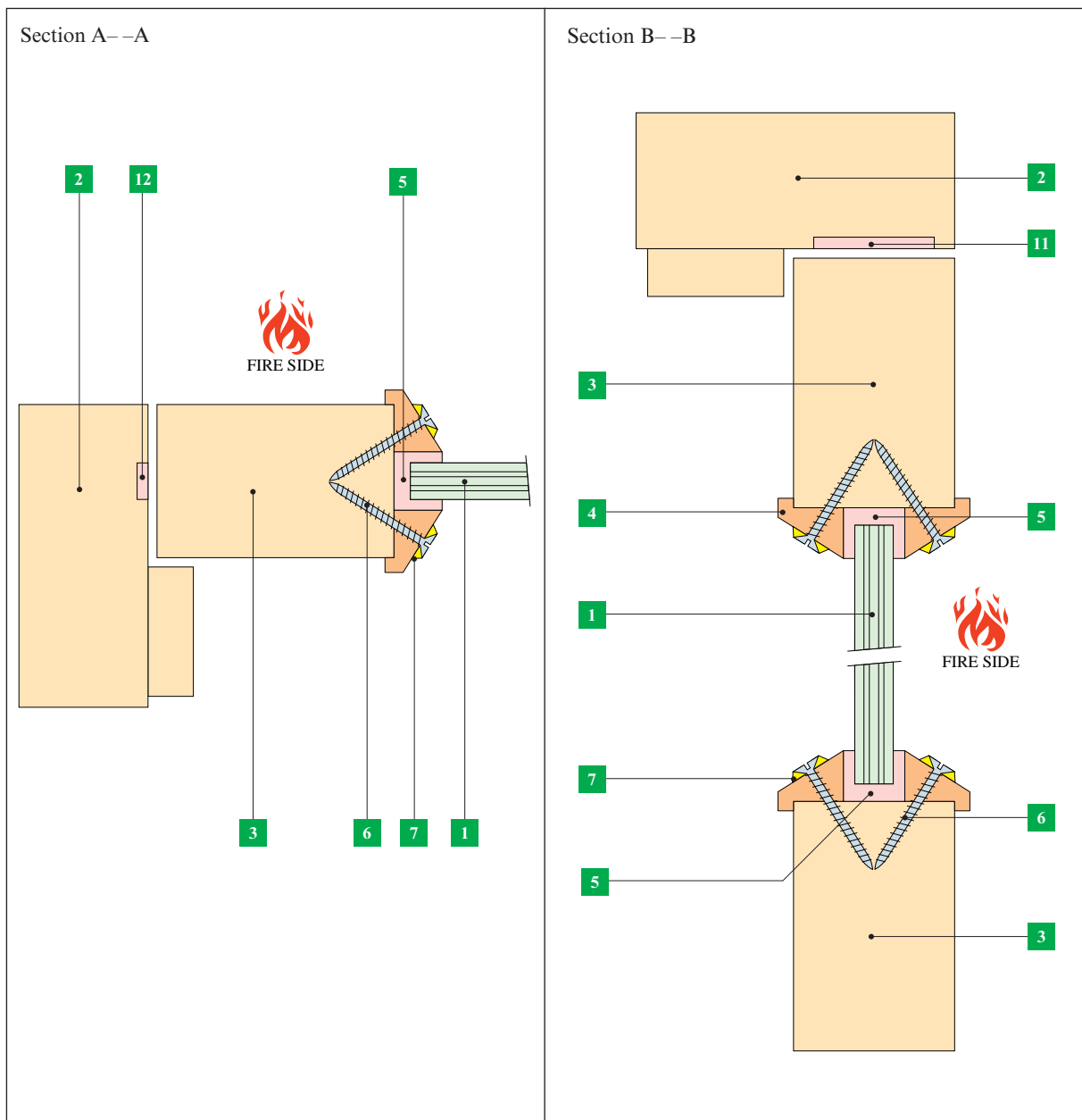
- 10mm Pilkington PYRODUR glass with UV filter on unexposed face
- Any tested softwood framed timber-based fire door
- Hardwood or softwood glazing beads
- Glass glazed into LORIENT POLYPRODUCTS LTD. System 36/10 glazing gasket



Glazing dimensions are actual glass sizes

# Key to figures

- 1** 10mm Pilkington PYRODUR glass
- 2** 94 x 56mm European Redwood softwood frame (nominal density 510 kg/m<sup>3</sup>) plus 12mm planted stop
- 3** 90 x 40mm (minimum) softwood frame (minimum density 500 kg/m<sup>3</sup>)
- 4** 21 x 15mm softwood or hardwood glazing beads chamfered to 15°
- 5** 18 x 16mm LORIENT POLYPRODUCTS LTD. System 36/10 glazing gasket
- 6** 4mm diameter x 45mm steel self-tapping screws at nominal 200mm centres, approximately 45° to the vertical
- 7** 12mm outside diameter x 5.6mm inside diameter x 2mm deep x 0.15mm thick brass cupped washer
- 8** BRITON 2003/S overhead closer
- 9** 100 x 35mm steel butt hinges bedded onto MANN McGOWAN FABRICATIONS LTD. Pyrohinge
- 10** Latch with lever handles
- 11** 25 x 4mm MANN McGOWAN FABRICATIONS LTD. Pyrostrip 500P intumescent seal
- 12** 10 x 4mm INTUMESCENT SEALS LTD. Therm-a-seal intumescent seals



# 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.

*Pilkington PYRODUR 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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