



FIRE  
RESISTANT  
GLASSES

## Pilkington PYROSHIELD *Safety Clear*



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

Horizontal Steel Screen  
*30 minutes integrity*

Test Reference WARRES 62325



PILKINGTON

# Horizontal Steel Screen

## 30 minutes integrity

### Test Reference:

WARRES 62325

### Test Station:

Warrington Fire Research Centre

### Test Date:

20th January 1995

### Test Sponsor:

Pilkington United Kingdom Limited

### Test Standard:

BS 476: Part 20: 1987

### Note:

*In the absence of any recognised test procedure for this type of assembly each specimen was assessed against the performance criteria for integrity and insulation as given in BS 476: Part 20: 1987.*

### General description of the assembly

- 6mm Pilkington PYROSHIELD *Safety* Clear glass
- Single glazing and double glazed with non-fire rated glass
- Horizontal mild steel framework
- Mild steel glazing bars retaining glass
- Galvanised mild steel angles retaining framework
- Glass bedded using ceramic fibre tape
- Intumescent seals incorporated into the construction

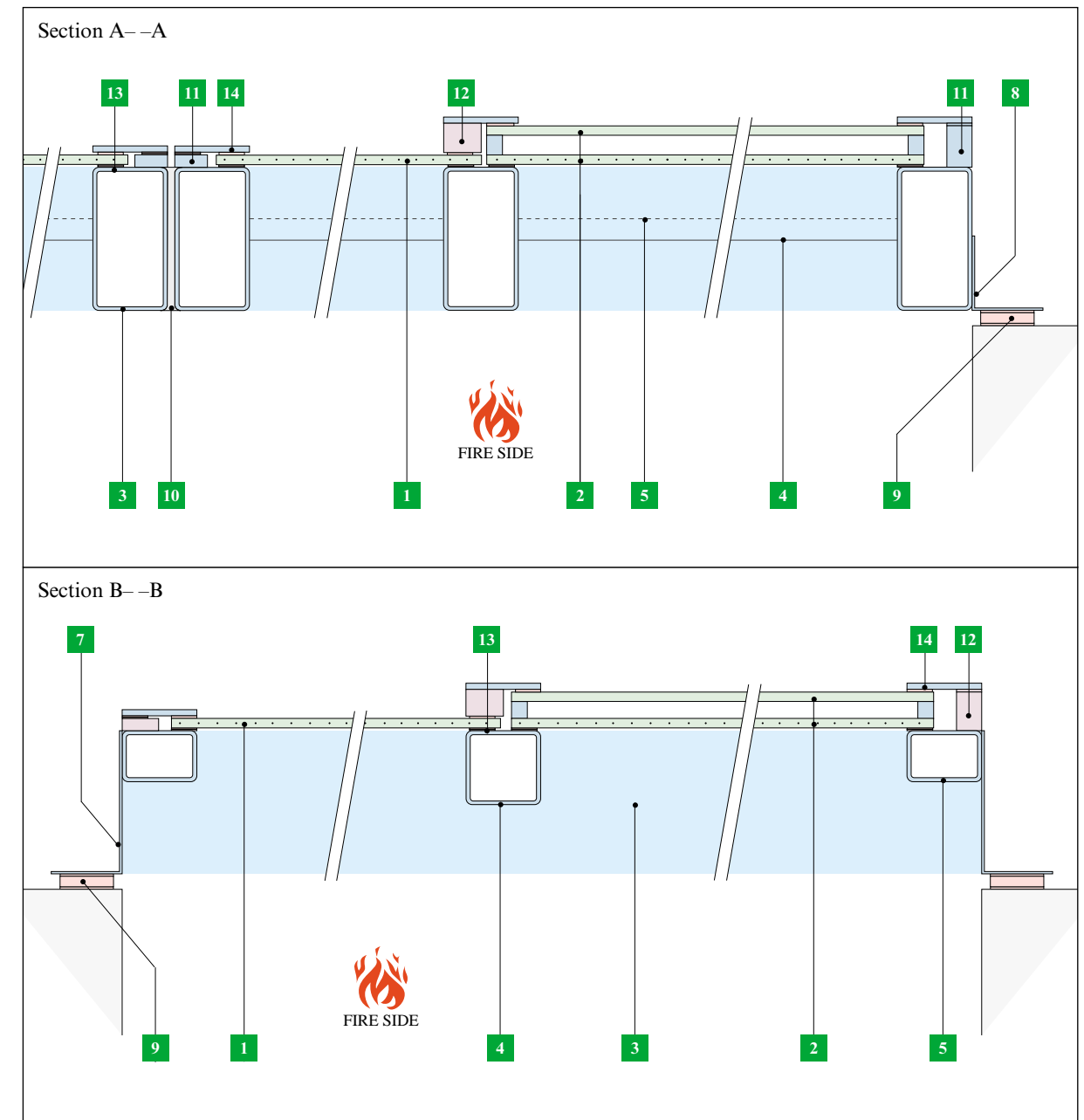


Glazing dimensions are actual glass sizes

## Key to figures

- |  |  |
|--|--|
| <b>1</b> 6mm Pilkington PYROSHIELD <i>Safety</i> Clear glass   | <b>9</b> DUFAYLITE DEVELOPMENTS LTD.<br>type C linear seal               |
| <b>2</b> Double glazing unit<br>(6mm clear toughened glass/10mm airspace/6mm<br>Pilkington PYROSHIELD <i>Safety</i> Clear) | <b>10</b> Mineral fibre gasket   |
| <b>3</b> 100 x 50 x 2.5mm mild steel rolled hollow sections  | <b>11</b> Mild steel perimeter packers                                   |
| <b>4</b> 50 x 50 x 2mm mild steel rolled hollow sections   | <b>12</b> 25 x 12mm CAPE BOARDS LTD.<br>Supalux board packers            |
| <b>5</b> 50 x 35 x 2mm mild steel rolled hollow sections   | <b>13</b> CARBORUNDUM RESISTANT MATERIALS LTD.<br>Fibrefrac ceramic tape |
| <b>6</b> 110 x 60 x 50mm mild steel brackets 6mm thick   | <b>14</b> 50 x 3mm mild steel glazing bars                               |
| <b>7</b> 100 x 50 x 1.8mm pressed mild steel angles  |  |
| <b>8</b> 50 x 50 x 1.8mm mild steel angles   |  |

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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