



FIRE  
RESISTANT  
GLASSES

## Pilkington PYROSTOP



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

### Single Pane Steel Screen

*120 minutes integrity & 120 minutes insulation*

Test Reference WARRES 46730



PILKINGTON

# Single Pane Steel Screen

120 minutes integrity &  
120 minutes insulation

## Test Reference:

WARRES 46730

## Test Station:

Warrington Fire Research Centre

## Test Date:

31st August 1989

## Test Sponsor:

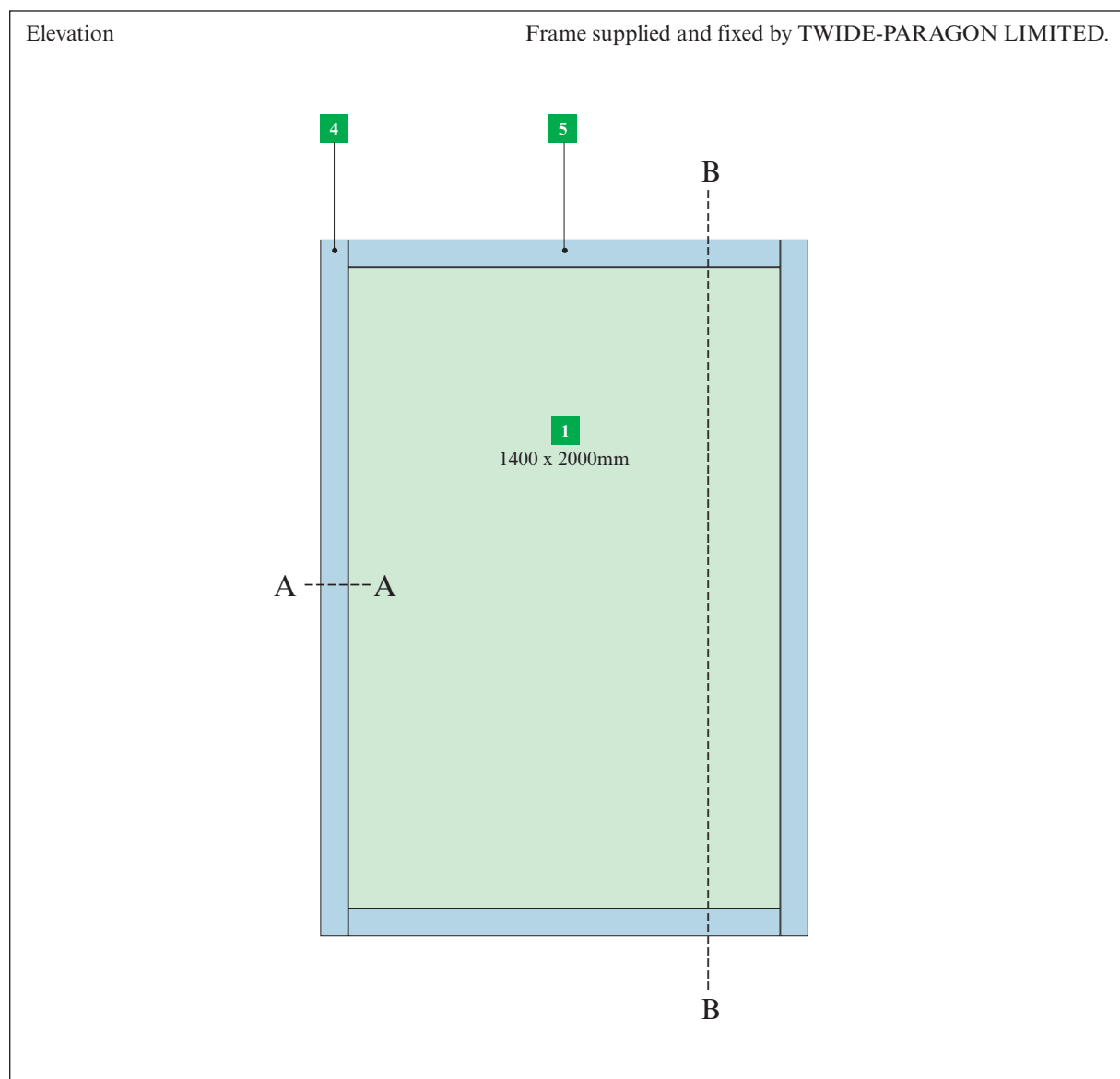
Pilkington United Kingdom Limited

## Test Standard:

BS 476: Part 22: 1987

## General description of the assembly

- 50mm Pilkington PYROSTOP double glazing unit
- Insulated mild steel framework
- Mild steel glazing bead system on unexposed face
- Glass bedded using ceramic fibre tape
- Intumescent material incorporated into the construction
- Aluminium capping on unexposed face

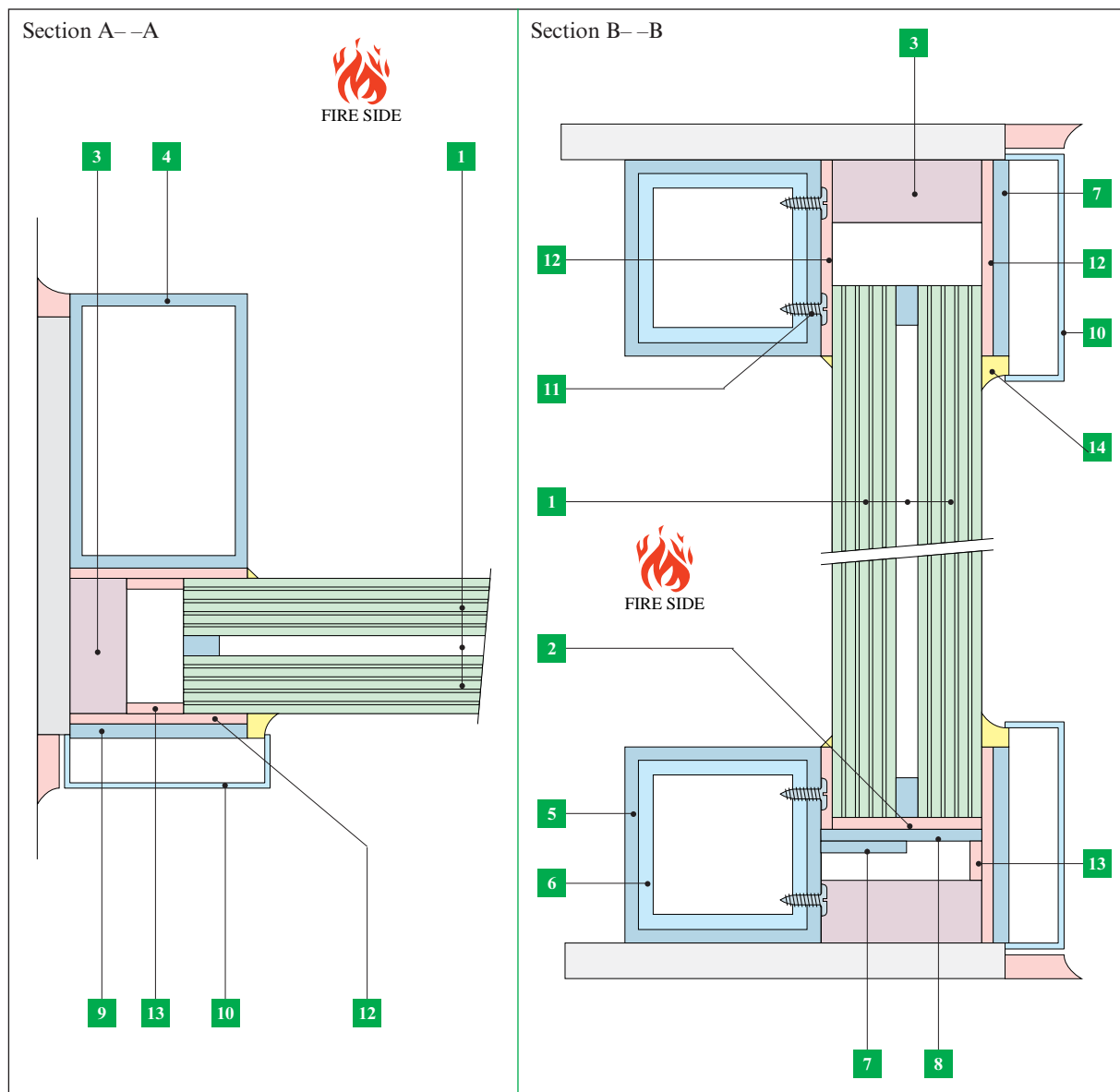


*Glazing dimensions are actual glass sizes*

# Key to figures

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><b>1</b> Double glazing unit (21mm Pilkington PYROSTOP/<br/>8mm cavity/21mm Pilkington PYROSTOP)</li> <li><b>2</b> 5mm hardwood setting blocks</li> <li><b>3</b> 53 x 20mm ETERNIT PROMAT Promatect L, blocks</li> <li><b>4</b> 100 x 60 x 3mm mild steel rolled hollow section</li> <li><b>5</b> 60 x 60 x 3mm mild steel rolled hollow section</li> <li><b>6</b> 53 x 53 x 3mm mild steel pressed channel</li> <li><b>7</b> 100 x 30 x 5mm mild steel plate</li> </ul> | <ul style="list-style-type: none"> <li><b>8</b> 100 x 50 x 5mm mild steel plate</li> <li><b>9</b> 60 x 5mm mild steel cover plate</li> <li><b>10</b> Aluminium snap-on cover</li> <li><b>11</b> 6mm diameter steel set screw</li> <li><b>12</b> CARBORUNDUM RESISTANT MATERIALS LTD.<br/>Fibrefrax ceramic fibre tape</li> <li><b>13</b> Intumescent strip</li> <li><b>14</b> Silicone mastic sealant</li> </ul> |
|---|--|

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.

*21mm Pilkington PYROSTOP glass is classified as a Class A 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.*

*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.*

*All products shown in CAPITALS are trademarks of the Pilkington Group.*



**PILKINGTON**

**Pilkington United Kingdom Limited**  
Prescot Road St Helens England WA10 3TT  
Telephone 01744 692000 Fax 01744 613049