

## Fire Safety Certificate - limiting the spread of fire

I hereby certify that Hammerglass is tested in accordance with the criteria for the spread of fire on vertical construction, at Warrington Fire in England, June 2005.

The test shows that Hammerglass specially coated polycarbonate sheets do not contribute to the spread of fire. The polycarbonate melts at sufficiently high temperature, and drips down onto the floor, where the droplets self-extinguish after a maximum of 30 seconds.

### Current products

Hammerglass Single  
Hammerglass Insulate  
Hammerglass Add-On

From the test:

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<h3>Test Results</h3>	
<b>Results and observations</b>	The test results for the individual specimens, together with observations made during the test and comments on any difficulties encountered during the test are given in Table 1.
<b>Classification</b>	<b>In accordance with the class definitions given in BS 476: Part 7: 1997, the specimens tested are classified as class 1Y.</b>
<b>Criteria for classification</b>	If the prefix 'D' or suffix 'R' or 'Y' is included in the classification, this indicates that the results should be treated with caution. An explanation of the reason for the prefix and suffixes is given in Appendix 1, together with the irradiance along the horizontal reference line of the specimen position during the test and the classification limits specified in the Standard.

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<b>Observations made during test and comments on any difficulties encountered during the test:</b>	
<p>In the case of each specimen, the material began to soften and melt during the second minute of the test, progressively slumping away from the test position as the test continued, resulting in a final slump-back of 520mm at the end of the test. The molten material collected on the bottom facing plate of the specimen holder.</p>	
<p>In the case of each specimen, the molten material on the bottom facing plate ignited, resulting in a flame spread occurring below the reference line, reaching up to a maximum distance of 300mm.</p>	
<p>In the case of each specimen, flaming droplets were produced from the ninth minute of the test. The flaming material fell onto the floor of the laboratory where it continued to burn for approximately 30 seconds.</p>	
<p>It is considered that the above behaviour could have affected the surface spread of flame characteristics of the product; therefore the Suffix 'Y' has been added to the classification.</p>	

Förlöv, March 15, 2007

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