

TEST REPORT



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SUBJECT:

Large scale surface spread of flame test on "V-KOOL 70 Window Coatings" film laminated onto clear glass panel submitted by V-KOOL International Pte Ltd on 2002-04-16.

TESTED FOR:

V-KOOL Consultant (HK) Ltd
Shop GA 28 Site A
55 Tai Hong Street
Lei King Wan
Hong Kong

Attn: Mr Terence Li

DATE OF TEST:

2002-04-18

PURPOSE OF TEST:

To determine the tendency of the surface of a material or a combination of materials to support the spread of flame across its surface and to classify the surface according to the test given in British Standard 476 : Part 7 : 1997.



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PSB Corporation Pte Ltd
Testing Group

1 Science Park Drive Singapore 118221 Tel 65 772 9620 Fax 65 775 9725 Email testing@psbcorp.com



LA-2001-0212-A The results reported herein, unless
LA-2001-0213-F otherwise stated, have been performed in
LA-2001-0214-E accordance with the laboratory's terms of
LA-2001-0215-B accreditation under the Singapore
LA-2001-0216-G Accreditation Council - Singapore
LA-2001-0217-G Laboratory Accreditation Scheme

DESCRIPTION OF SAMPLES:

9 pieces of sample, said to be "V-KOOL 70 Window Coatings" film laminated onto one side of a 6mm thick clear glass panel, each of nominal size of 885mm x 270mm (thickness) were received. The construction of the film was said to be Scratch-Resistant Coating / 13µm P.E.T. / Adhesive (Thermally-Cured Compound) / V-KOOL® Multi-Layered Sputter Coating / 23µm P.E.T. / Pressure-Sensitive Adhesive.

TEST PROCEDURE:

Prior to test, the specimens were prepared and conditioned in accordance with paragraphs 5.3 to 5.6 of the standard and secured to a specimen holder as described in paragraph 6.3.

Six specimens were tested with the film face exposed to the specified thermal radiation from the apparatus described in paragraph 6.1 of the standard. The intensity of the radiated heat incident on the specimen varies with distance from the hotter end, so that when the specified calibration panel is mounted in the place to be occupied by the specimen, the irradiance of the radiometer is as given in Table 1. The test was terminated when the flame front reached the 825mm reference line, or after 10 minutes has elapsed, whichever is the shorter.

Table 1 : Irradiance Along Horizontal Reference Line on the Calibration Board

Distance along reference line from inside edge of specimen holder mm	Irradiance kW/m ²		
	specified	min.	max.
75	32.5	32.0	33.0
225	21.0	20.5	21.5
375	14.5	14.0	15.0
525	10.0	9.5	10.5
675	7.0	6.5	7.5
825	5.0	4.5	5.5

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