

Test Report No. 54S072668/OKH
dated 18 May 2007



Note: This report is issued subject to TÜV SÜD PSB's "Terms and Conditions Governing Technical Services". The terms and conditions governing the issue of this report are set out as attached within this report.

SUBJECT:

Large scale surface spread of flame test on "VANACHAI GROUP / VF Series" HDF Laminated Flooring board material submitted by Vanachai Group Public Co., Ltd. on 07 May 2007.

TESTED FOR:

Vanachai Group Public Co., Ltd.
22/1 Moo1, Banbuang-Naunmok Rd.
Tambon-Nong-E-Roon, Banbuang
Chonburi 20220
Thailand

Attn: Mr Suwit Nawaphanuphak

DATE OF TEST:

16 May 2007

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.

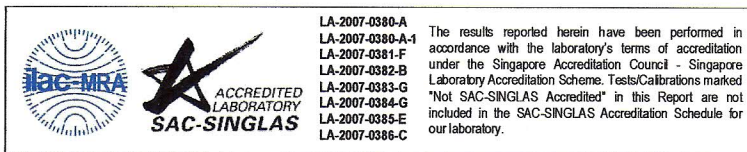
The test was conducted at TÜV SÜD PSB fire test laboratory located at No. 10 Tuas Avenue 10, Singapore 639134.



Laboratory:
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DESCRIPTION OF SAMPLES:

9 pieces of sample, said to be "VANACHAI GROUP / VF Series" (880kg/m³) HDF (Formaldehyde Emission Level : E1) Laminated Flooring board material each of nominal size of 885mm x 270mm x 8mm thickness were received.

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 top 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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