

Test Report No. 7191166866-MEC17/6-YWA
dated 26 Sep 2017



PSB Singapore

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SUBJECT:

Flammability test on "Brand: "VIR", Model: "Type-EDF/EDS/EGF/EGS" High-pressure decorative laminates (HPL) Exterior grade compact panel material submitted by Rushil Decor Limited on 23 Aug 2017.

TESTED FOR:

Rushil Decor Limited
Near Nilkanth Green Villa
Off. Sindhu Bhavan Road
Shilaj, Ahmedabad
380058 Gujarat
India

DATE OF TEST:

25 Sep 2017

PURPOSE OF TEST:

UL-94 : 1997 - "Test for flammability of plastic materials for parts in devices and appliances". - 20mm Vertical Burning Test.

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



LA-2007-0380-A LA-2007-0384-G
LA-2007-0381-F LA-2007-0385-E
LA-2007-0382-B LA-2007-0386-C
LA-2007-0383-G LA-2010-0464-D

The results reported herein have been performed in accordance with the terms of accreditation under the Singapore Accreditation Council. Inspections/Calibrations/Tests marked "Not SAC-SINGLAS Accredited" in this Report are not included in the SAC-SINGLAS Accreditation Schedule for our inspection body/laboratory.

Laboratory:
TÜV SÜD PSB Pte. Ltd.
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Singapore 118221

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Co. Reg : 199002667R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
1 Science Park Drive, #02-01
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TUV®

DESCRIPTION OF SPECIMENS:

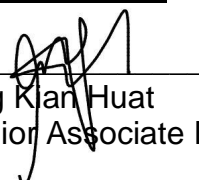
Twenty pieces of specimen, said to be "Brand: "VIR", Model: "Type-EDF/EDS/EGF/EGS" (6mm thick x 1.45g/cm³) High-pressure decorative laminates (HPL) Exterior grade compact panel material comprising of Acrylic Film Layer for UV protection / Melamine Resin Treated Paper / Phenolic Resin Treated Kraft Paper / Melamine Resin Treated Paper / Acrylic Film Layer for UV protection, each of nominal test size of 125mm x 13mm were submitted. The Adhesive used was said to be Phenolic Resin and Melamin Resin for Kraft Paper and Design Paper Treating respectively. The Fire Retardant used was said to be Non Halogen, Phosphoric Base. The bulk density of the specimen was found to be approximately 1484kg/m³.

RESULTS:

Description	Unit	Result		UL 94 Requirement		
		After conditioning at 23 ± 2°C and 50 ± 5% RH for 48 hrs	After conditioning in an air-circulating oven for 168 hrs at 70 ± 1°C	V-0	V-1	V-2
20mm Vertical Burning Test						
1. Number of specimens tested	-	5	5	-		
2. After flame time after first flame application, t ₁ (Individual readings)	sec.	0, 0, 0, 0, 0	0, 0, 0, 0, 0	≤ 10	≤ 30	≤ 30
3. After flame time after second flame application, t ₂ (Individual readings)	sec.	0, 0, 0, 0, 0	0, 0, 0, 0, 0	≤ 10	≤ 30	≤ 30
4. Total after flame time for any condition set (t ₁ + t ₂ for the 5 specimens)	sec.	0	0	≤ 50	≤ 250	≤ 250
5. After glow time after second flame application, t ₃ (Individual readings)	sec.	0, 0, 0, 0, 0	0, 0, 0, 0, 0	-		
6. After flame plus after glow time after the second flame application (t ₂ + t ₃) (Individual readings)	sec.	0, 0, 0, 0, 0	0, 0, 0, 0, 0	≤ 30	≤ 60	≤ 60
7. After flame or after glow of any specimen up to the holding clamp	sec.	No	No	No	No	No
8. Cotton indicator ignited by flaming particles or drops	sec.	No	No	No	No	Yes

CONCLUSION:

In accordance with the criterion stated in the UL 94 :1997 - 20mm Vertical Burning Test, the test results show that the sample tested meet the requirements for UL94 :1997 V-0 classification.


Ong Kian Huat
Senior Associate Engineer


Chan Lung Toa
Product Manager
Fire Property
Mechanical



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July 2011

