

Test Report No. 7191061185 – 04 - MEC13 - DLM  
dated 28 May 2013



PSB Singapore

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### Thermal Conductivity Test

Tested for: **VISAKA INDUSTRIES LTD**  
VISAKA TOWERS, 1-8-303/69/3, S.P. Road,  
SECUNDERABAD-500003 A.P  
INDIA

Attn: **Mr Jawahar Rawtani**

Description of sample: Six pieces of **Insulation Material** of nominal size 300 mm (L) x 300 mm (W) x 7.5 mm (TK) were submitted on 09<sup>th</sup> May 2013.

Sample Description: Fibre Cement Flat Board

Brand Name: V-Board

Test standard: 1) ASTM C518 : 2010 Standard test method for steady-state thermal transmission properties by means of the heat flow meter.  
2) The thermal conductivity of material was measured by using a heat flow meter calibrated with standard fibreglass sample of thickness of 25mm

### TEST RESULTS:

Test	Unit	Sample : Fibre Cement Flat Board / V-Board
Thermal conductivity test		
a. Dimension of specimen	mm	300.50 (L) x 299.50 (W) x 7.74 (TK)
b. Density	kg/m <sup>3</sup>	1303.98
c. Temperature of hot face	°C	29.44
d. Temperature of cold face	°C	9.61
e. Mean temperature	°C	19.52
f. Thermal conductivity	W/mK (Kcal/mhK)	0.0748 0.0643

\* 1 W/mK = 0.859845 Kcal/mhK



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**APPENDIX:**



Photo 1: Sample as received, Side 1

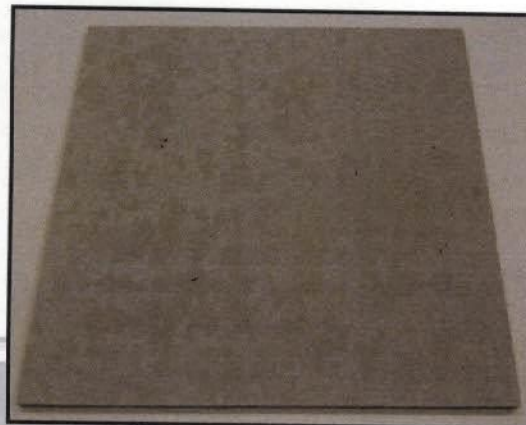
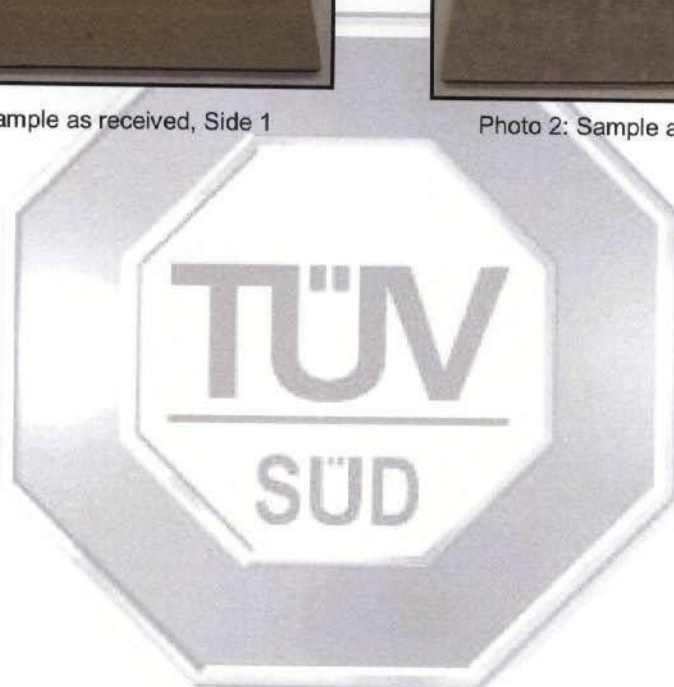


Photo 2: Sample as received, Side 2



A handwritten signature in black ink, appearing to read 'Lim'.

David Lim  
Associate Engineer

A handwritten signature in black ink, appearing to read 'Chua Peck Cheong'.

Chua Peck Cheong  
Product Manager  
Green Product  
Mechanical Centre



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July 2011

