

**Test Report No. 7191065605-MEC13/B-MHA**  
dated 22 Aug 2013

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**SUBJECT:**

Non-combustibility test on "Everest Heavy Duty Boards" submitted by Everest Industries Ltd on 23 Jul 2013.

**TESTED FOR:**

Everest Industries Ltd  
A-32, Genesis  
Mohan Co-Operative Industrial Estate  
Mathura Road  
New Delhi – 110044  
India

**PERIOD OF TEST:**

25 Jul 2013

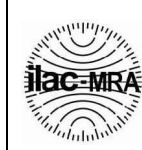
**PURPOSE OF TEST:**

To determine whether the material is non-combustible when it is exposed to the conditions of the test specified in British Standard 476: Part 4: 1970 "Fire Test on Building Materials and Structures - Non-combustibility Test for Materials".

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



Laboratory:  
TÜV SÜD PSB Pte. Ltd.  
No.1 Science Park Drive  
Singapore 118221



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

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

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### **DESCRIPTION OF SAMPLES:**

Twenty-four pieces of specimen, said to be "Everest Heavy Duty Boards" (15mm thick x 1450kg/m<sup>3</sup> – 1700kg/m<sup>3</sup>) comprising of Fibre Cement, each of nominal size of 40mm x 40mm were submitted. The nominal thickness and bulk density of the specimen were found to be approximately 15.3mm and 1709kg/m<sup>3</sup> respectively. Six blocks of specimen, each of nominal test size of 40mm x 40mm x 50mm thickness were prepared.

### **TEST PROCEDURE:**

Specimens were exposed to the specified heating conditions (750 ± 10°C) in a furnace conforming to Clause 6 and illustrated in Figure 1, 2 and 3 of the Standard. The furnace was heated and its temperature stabilized at 750 ± 10°C for more than 10 minutes. One specimen was then inserted in the furnace, the whole operation was performed in less than 5 seconds. The temperature of the specimens and the furnace were measured by two separate Chromel/Alumel thermocouples continuously for 20 minutes on the chart of a recorder. The flaming time of the specimen was determined by a stop watch. The procedure was repeated twice for two other specimens, one at each time.

### **RESULTS:**

Description	Specimen 1	Specimen 2	Specimen 3	Requirements
Time of continuous flaming (sec.)	0	0	0	<10
Temperature rise of furnace (°C)	38	39	35	<50
Temperature rise of sample (°C)	1	0	0	<50
Classification	Non-combustible	Non-combustible	Non-combustible	-

### **CONCLUSION:**

A non-combustibility test for materials in accordance with British Standard 476 Part 4 : 1970 has been performed on the material as described in this report and the classification of the sample is non-combustible.

### **REMARKS:**

The testing was witnessed by Mr. Sharad Mali from Everest Industries Ltd.

  
\_\_\_\_\_  
Ong Kian Huat  
Higher Associate Engineer

  
\_\_\_\_\_  
Chan Lung Toa  
Product Manager  
(Fire Property)  
Mechanical Centre

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July 2011

