

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



PSB Singapore

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SUBJECT:

Non-combustibility test on "Everest 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 and 26 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:

Fifty-seven pieces of specimen, said to be “Everest Boards” (6mm thick x 1300kg/m³ – 1450kg/m³) 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 6.4mm and 1412kg/m³ 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)	42	31	48	<50
Temperature rise of sample (°C)	15	0	11	<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

