

# CERTIFICATE OF CONFORMITY

## Product Certification Scheme: Class 2

This Certificate is issued to:

WELL & ABLE INTERNATIONAL PTE LTD  
23 Genting Road  
#03-01 Chevalier House  
Singapore 349481

FOR

**Product** : *Fire Rated Partition System*  
**Brand** : *"BESTA"*  
**Model** : *Besta Board*  
**Country of Origin** : *China*  
**Product Details** : *Fire Resistant Board*  
*Density: 1253kg/m<sup>3</sup> Rating: Non-Combustible*

which has complied with the requirements of the scheme based on the following:

### STANDARD(S)

BS 476 Part 4: 1970

### TEST REPORT(S)

Test Report No. S08MEC05926/LGJ

  
Sze Thiam Siong (Mr)  
General Manager  
SETSCO Services Pte Ltd

Certificate No

FSP-2013-0123

Date of Original Issue

04/02/2013

Date of Last Revision

20/06/2014

Date of Expiry

03/02/2016



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The use of the SAC accreditation mark indicates accreditation in respect of those activities covered by the accreditation certificate number PD-2010-10.

**Test Report No. S08MEC05926/LGJ**  
dated 04 Oct 2008

**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.



PSB Singapore

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**SUBJECT:**

Non-combustibility test on "BESTA" Fire Resistant Board material submitted by Best Rock Building Systems Pte Ltd on 17 Sep 2008.

**TESTED FOR:**

Best Rock Building Systems Pte Ltd  
14 Zion Road  
Singapore 247732

Attn: Mr Daniel Wong

**DATE OF TEST:**

30 Sep 2008

**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 fire test laboratory located at No. 10 Tuas Avenue 10, Singapore 639134.



Laboratory:  
TÜV SÜD PSB Pte. Ltd.  
Testing Services  
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LA-2007-0382-B  
LA-2007-0383-G  
LA-2007-0384-G  
LA-2007-0385-E  
LA-2007-0386-C

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.



#### DESCRIPTION OF SAMPLES:

6 pieces of sample, said to be "BESTA" Fire Resistant Board material comprising of Magnesium Oxide composite mineral board, each of nominal size of 40mm x 40mm x 50mm thickness were received. The overall bulk density of the sample was found to be about 1253kg/m<sup>3</sup>.

#### TEST PROCEDURE:

Specimens were exposed to the specified heating conditions ( $750 \pm 10^{\circ}\text{C}$ ) 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  $750 \pm 10^{\circ}\text{C}$  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 ( $^{\circ}\text{C}$ )	0	5	6	<50
Temperature rise of sample ( $^{\circ}\text{C}$ )	0	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.



Ong Kian Huat  
Associate Engineer



Chan Lung Toa  
Product Manager  
(Fire Safety & Security Products)  
Mechanical



**Report is issued under the following conditions:**

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January 2008