

**Test Report No. 7191079843-MEC14/3-YWA**  
dated 06 Feb 2014



PSB Singapore

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**SUBJECT:**

Ignitability test on "SMARTBOARD" Fiber Cement Board material submitted by SCG Trading Co., Ltd on 15 Jan 2014.

**TESTED FOR:**

SCG Cement-Building Material Co., Ltd  
1 Siam Cement Road, Bangsue  
Bangkok 10800  
Thailand

**DATE OF TEST:**

23 Jan 2014

**PURPOSE OF TEST:**

To determine the ignitability characteristics of the exposed surface of essentially flat, rigid or semi-rigid building materials or composites, when tested in the vertical position to the test specified in British Standard 476 : Part 5 : 1979 "Method of test for ignitability".

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:**

Six pieces of specimen, said to be "SMARTBOARD" (12mm thick x 1260kg/m<sup>3</sup>) Fiber Cement Board material comprising of Cement, Cellulose and Silica, each of nominal test size of 225mm x 225mm were submitted. The nominal thickness and bulk density of the specimen were found to be approximately 12.4mm and 1575kg/m<sup>3</sup> respectively.

**RESULTS:**

Description	Specimens			Requirement
	1	2	3	
1. Time of flaming after removal of test flame	0	0	0	Not more than 10 sec.
2. Burning of test specimen extending to the edges	No	No	No	Do not extent to any edge during flame application or within 10 sec period after removal of test flame.

**CONCLUSION:**

In accordance with the specification in the British Standard 476 : Part 5 : 1979, the test results show that the performance of the sample is designated as P.

**REMARKS:**

The test was conducted with the specimen's indicated (front) face exposed to the flame source.

  
Ong Kian Huat  
Higher Associate Engineer

  
Chan Lung Toa  
Product Manager  
(Fire Property)  
Mechanical Centre

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July 2011

