

Test Report No 7191058018-MEC13/03-ED
dated 6 Jun 2013



PSB Singapore

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**Choose certainty.
Add value.**

Subject:

Determination of Surface Burning Characteristics of fibre cement boards submitted by Everest Industries Limited

Tested For:

Everest Industries Limited
The Genesis, A-32
Mohan Cooperative Industrial Estate
Mathura Road
New Delhi 110048
India

Attn: Mr Subrata Dutta

Test Specifications:

ASTM E84-12b "Standard Test Method for Surface Burning Characteristics of Building Materials"

Sample Description:

- 1- 3 pieces of fibre cement boards 'Everest Board' of size 2440mm long x 520mm wide x18mm thick
- 2- 3 pieces of fibre cement boards 'Everest Heavy Duty Board' of size 2440mm long x 520mm wide x15mm thick were received for Surface Burning Characteristics test.

Test Date:

10 May 2013

Test Details:

Test Chamber : Steiner Tunnel
Test Location : Japan Electric Cable Technology Center, Inc (Japan)
Test Engineers : Mr Toyokazu Horibata & Mr Shigeyuki Hayashi



Laboratory:
TÜV SÜD PSB Pte. Ltd.
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3 Science Park Drive, #04-01/05
The Franklin, Singapore 118223
TUV®



Test Sample : Fibre Cement Board, Everest Board

Test Conditions:

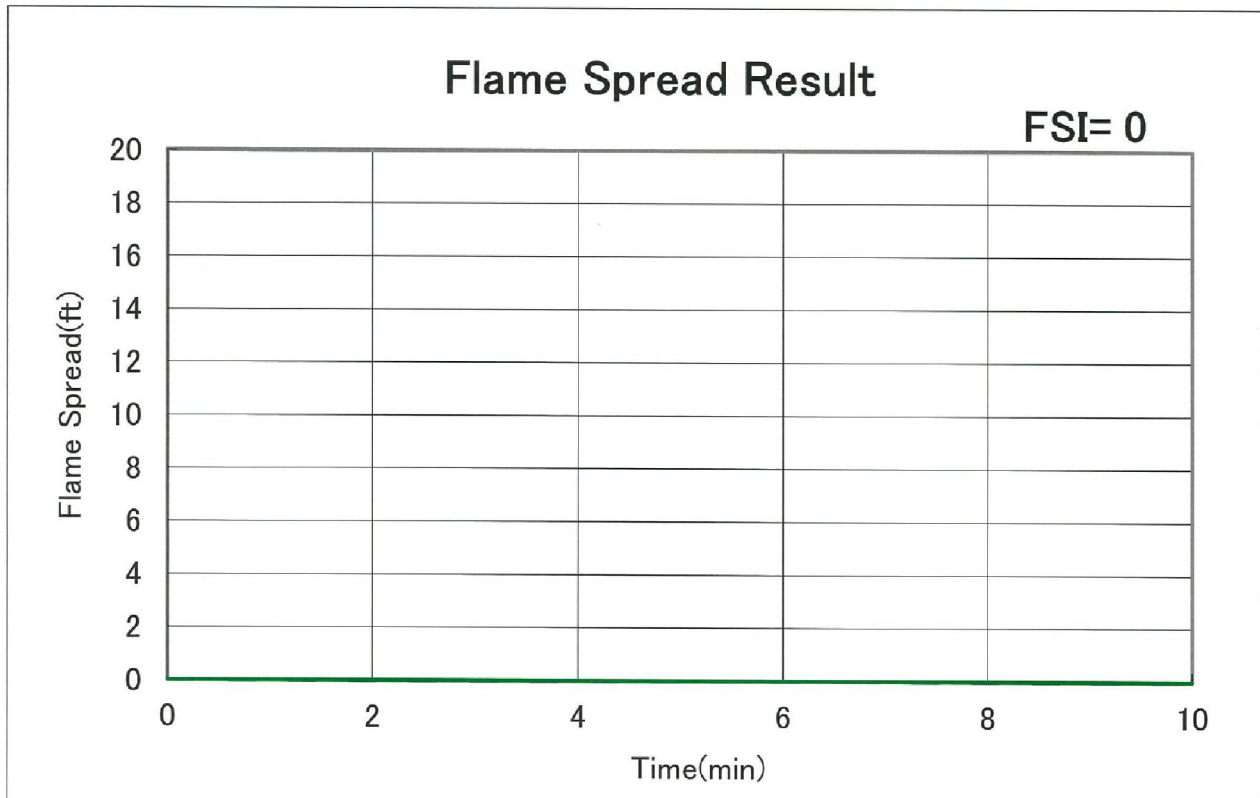
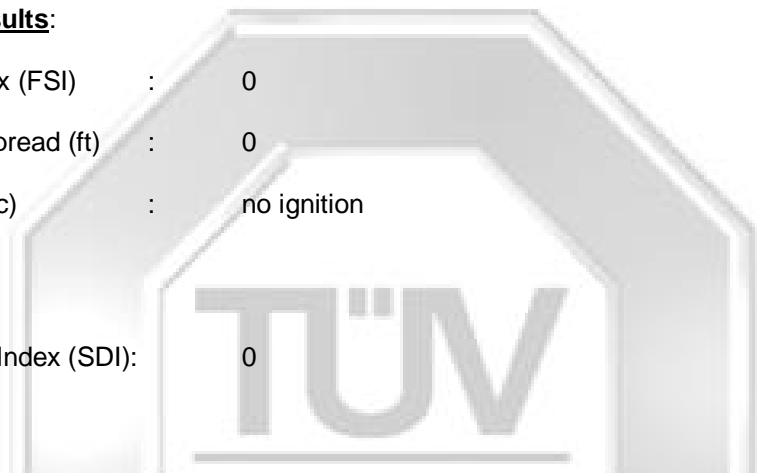
Test Parameters	Test Results	Requirement
Room Temperature (°C)	24.0	23 ± 2.8
Relative Humidity (%)	49.9	50 ± 5
Starting Temperature at 13ft (floor) (°C)	41.3	40.5 ± 2.8
Velocity in the furnace (ft/min)	241.9	240 ± 5

Flame Spread Results:

Flame Spread Index (FSI) : 0
 Maximum Flame Spread (ft) : 0
 Time to ignition (sec) : no ignition

Smoke Results:

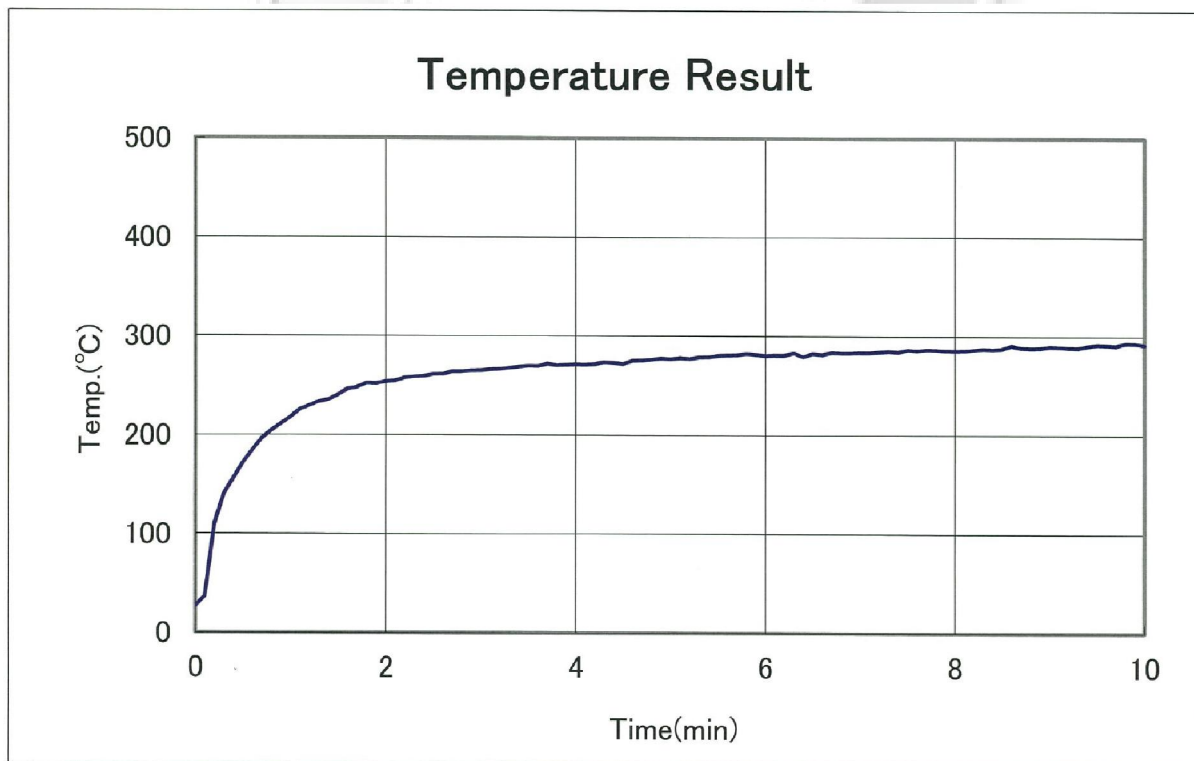
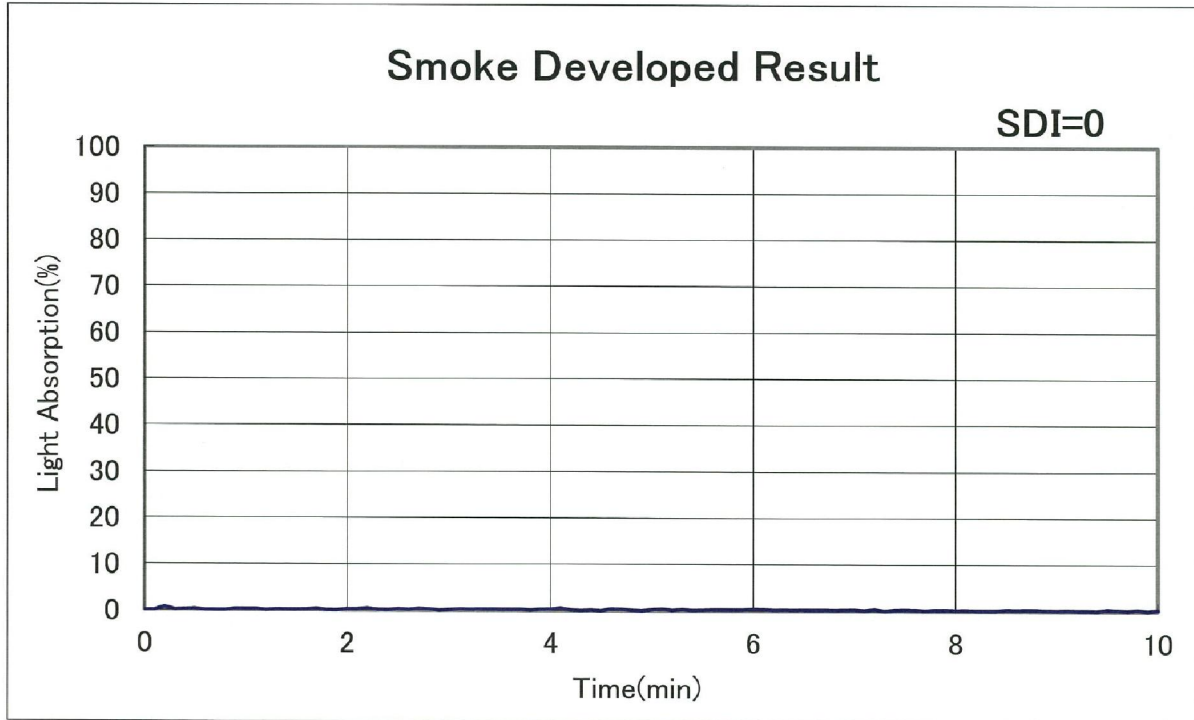
Smoke Developed Index (SDI): 0



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Fibre Cement Board, Everest Board



Ed *E*

Photographs (Fibre Cement board, Everest Board)



Before Testing (unexposed side)



Before Testing (unexposed side)



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Photographs (Fibre Cement board, Everest Board)



After Testing (exposed side)



After Testing (exposed side)

Ed





Test Sample : Fibre Cement Board, Everest Heavy Duty Board

Test Conditions:

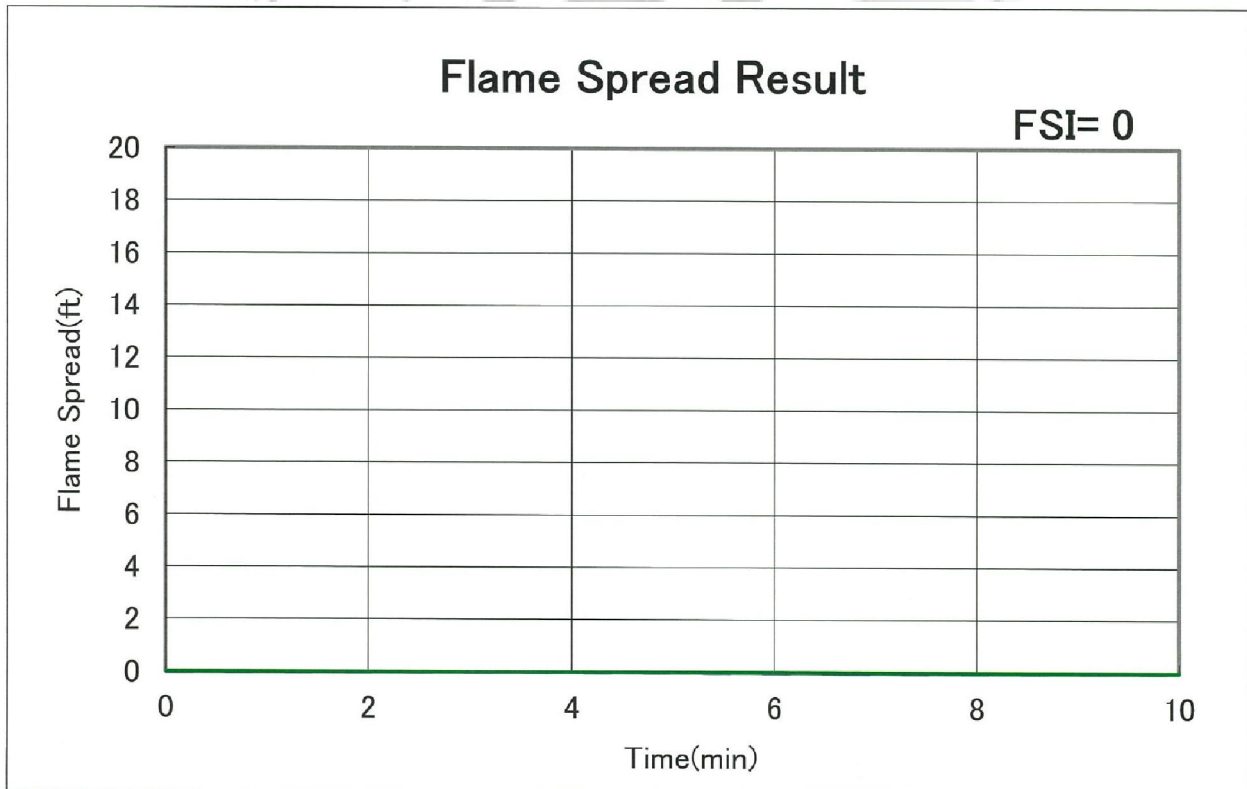
Test Parameters	Test Results	Requirement
Room Temperature (°C)	23.7	23 ± 2.8
Relative Humidity (%)	50.9	50 ± 5
Starting Temperature at 13ft (floor) (°C)	41.9	40.5 ± 2.8
Velocity in the furnace (ft/min)	241.9	240 ± 5

Flame Spread Results:

Flame Spread Index (FSI) : 0
 Maximum Flame Spread (ft) : 0
 Time to ignition (sec) : no ignition

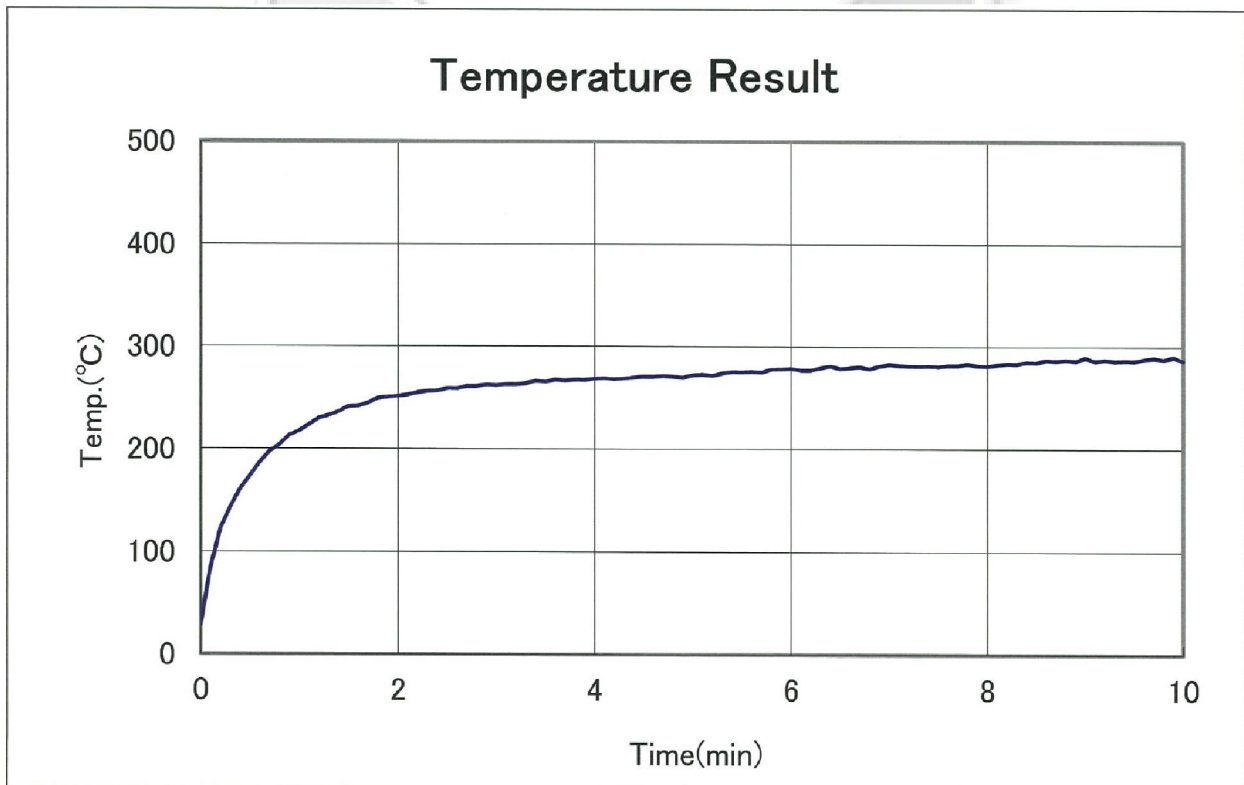
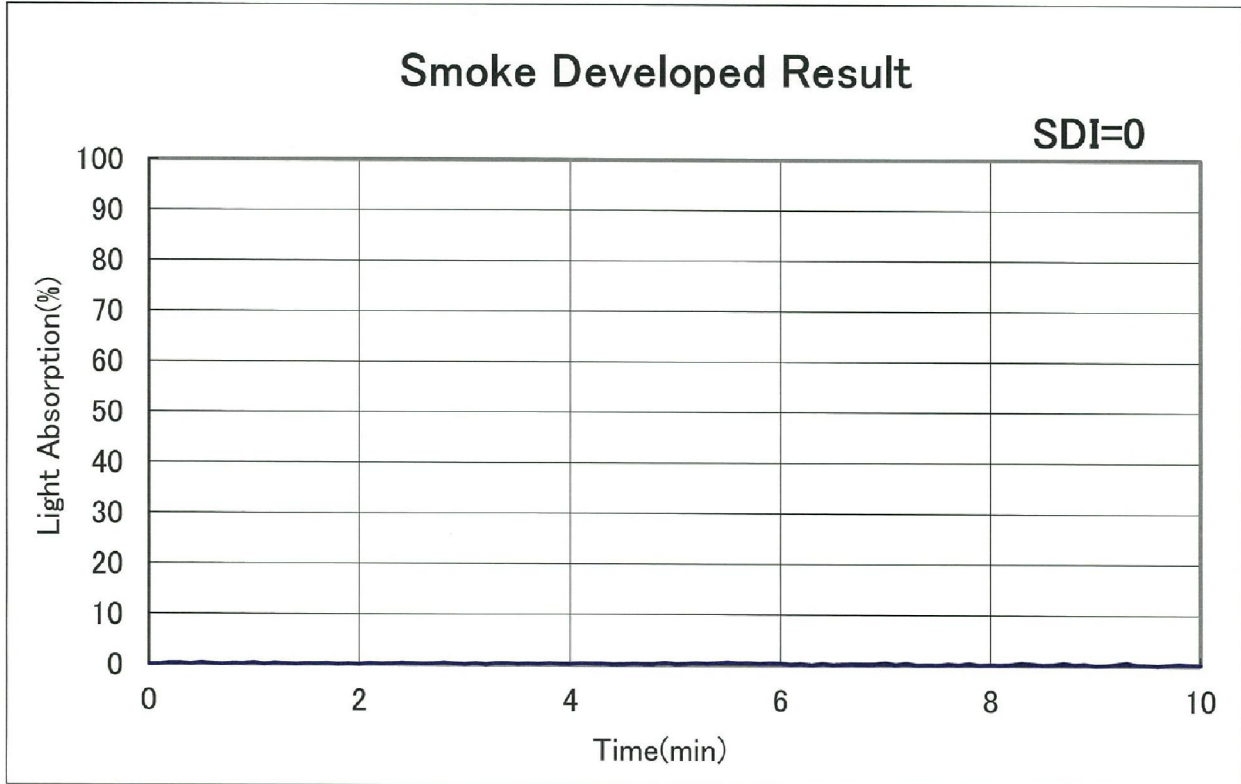
Smoke Results:


Smoke Developed Index (SDI): 0



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Fibre Cement Board, Everest Heavy Duty Board



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Photographs (Fibre Cement board, Everest Heavy Duty Board)



Before Testing (unexposed side)



Before Testing (unexposed side)



Ed



Photographs (Fibre Cement board, Everest Heavy Duty Board)



After Testing (exposed side)



After Testing (exposed side)

PREPARED BY:



Eddie Suwand
Senior Associate Engineer

APPROVED BY:



Eng Aik How
Engineer
Building
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July 2011

