

TEST REPORT



Your Ref: -

Date: 23 Mar 2006

Our Ref: 54S060849/A3/ED

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SUBJECT:

Testing of fibre-cement board samples

TESTED FOR:

Mahaphant Fiber-Cement Public Company Limited
59 Moo 12 Saraburi-Lomsak Road
KM 16, Chongsarika Dist.
Pattananikhom, Lopburi 15220
Thailand

Attn: Mr Soontorn Tansungnoen

SAMPLE DESCRIPTION:

The following items were received on 16 Feb 2006 as shown:

Sample	Dimensions	Quantity
'Shera Fibre-Cement Board (Flexy Board)' [Non-Asbestos Fibre-Cement Board]	300 mm x 150 mm x 6 mm	10 pcs



TEST METHOD:

Flexural Properties

ASTM C1185 : 1996 Standard Test Methods For Sampling And Testing Non-Asbestos Fibre-Cement And Flat Sheet, Roofing And Siding Shingles, And Clapboards

Section 5 : Flexural Strength (Modular Of Rupture)

Section 12 : Freeze/Thaw

- Cyclic conditions : (a) Immersion in water > 5°C for 48 hours minimum
 (b) Cooling at -20 ± 2°C > 1 hour < 2 hours
 (c) Holding at -20 ± 2°C for 1 hour
 (d) Thawing at +20 ± 2°C > 1 hour < 2 hours
 (e) Holding at +20 ± 2°C for 1 hour
 (f) Each freeze/thaw cycle shall have > 4 hours and < 6 hours cycle time
- No. of freeze/thaw cycle : 50
 Span length : 254 mm
 Crosshead speed : 100 mm/min
 No. of determinations : 5

CONDITIONING:

Unless otherwise specified, all test specimens were conditioned at 23 ± 2°C, 70 ± 15% relative humidity and tested at 23 ± 2°C, 50 ± 5% relative humidity.

TEST RESULTS:

Test	Unit	'Shera Fibre-Cement Board (Flexy Board)' [Non-Asbestos Fibre-Cement Board]
1a) Flexural Strength, average	MPa	13.6
1b) Flexural Modulus, average	MPa	6444



EDDIE SUWAND
ASSOCIATE ENGINEER



CHRISTINA LOH
PRODUCT MANAGER
POLYMER PRODUCTS
TESTING GROUP

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