

Test Report No. 7191061185-MEC13/01-ED
dated 27 Aug 2013



PSB Singapore

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SUBJECT:

Testing of fibre cement board submitted by Visaka Industries Ltd

TESTED FOR:

Visaka Industries Limited
Visaka Towers
1-8-303/69/3, S.P. Road
Secunderabad
A.P. 500003
India

Attn: Mr Jawahar Rawtani

TEST METHOD:

Adopted ASTM C1185 : 2008 (2012) Standard Test Methods For Sampling And Testing Non-Asbestos Fiber-Cement Flat Sheet, Roofing And Siding Shingles, And Clapboards

Section 5 - Flexural Strength (Modulus of Rupture) Wet Conditioning

DESCRIPTION OF SAMPLE:

Fibre Cement Board 'V-Premium'

REMARKS:

The average values of sample references in two directions and overall average value of two directions are reported as requested by the client.

Eddie Suwand
Senior Associate Engineer

Eng Aik How
Engineer
Building
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TEST RESULTS:

Size : 305 mm x 152 mm

Direction : Parallel
Crosshead speed : 50 mm/min

Sample Reference	1	2	3	4	5	6	7	8	9	10
Maximum Load (N)	248.98	232.95	235.15	238.27	237.76	239.20	224.25	204.59	211.26	228.13
Length of Span (mm)	254									
Width of Specimen (mm)	152	152	152	152	152	152	152	152	152	152
Thickness (mm)	9.54	9.72	9.65	9.70	9.64	9.60	9.62	9.22	9.12	9.29
Flexural Strength (MPa)	6.86	6.18	6.33	6.35	6.41	6.51	6.07	6.03	6.37	6.63
Average Flexural Strength (MPa)	6.37									

Direction : Perpendicular
Crosshead speed : 50 mm/min

Sample Reference	1	2	3	4	5	6	7	8	9	10
Maximum Load (N)	434.94	444.98	444.89	435.61	443.71	439.49	313.43	302.88	301.45	327.35
Length of Span (mm)	254									
Width of Specimen (mm)	152	152	152	152	152	152	152	152	152	152
Thickness (mm)	9.84	9.72	9.63	9.60	9.75	9.71	8.72	8.66	8.22	8.80
Flexural Strength (MPa)	11.26	11.81	12.02	11.85	11.70	11.68	10.33	10.12	11.18	10.60
Average Flexural Strength (MPa)	11.26									

Average Flexural Strength, two directions (MPa)	8.81
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Ed
[Signature]

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TEST RESULTS:

Sample Reference, Parallel	1	2	3	4	5	6	7	8	9	10
Flexural Strength (MPa)	6.86	6.18	6.33	6.35	6.41	6.51	6.07	6.03	6.37	6.63
Sample Reference, Perpendicular	1	2	3	4	5	6	7	8	9	10
Flexural Strength (MPa)	11.26	11.81	12.02	11.85	11.70	11.68	10.33	10.12	11.18	10.60
Average Flexural Strength of Sample Reference, two directions (MPa)	9.06	9.00	9.18	9.10	9.06	9.10	8.20	8.08	8.78	8.62
Overall Average Flexural Strength, two directions (MPa)							8.81			

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July 2011

