

TEST REPORT



Your Ref: -

Date: 01 Jul 2004

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Page: 1 of 3

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SUBJECT:

Cyclic tests in humid condition on 12 mm thick Trilite RMS Board (Also known as Versafire) submitted by Trilite Lite Inc. on 07 June 2004.

TESTED FOR:

Triple Lite, Inc.
2F, No. 7-6 Fen Liao Road,
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Taiwan 244, Taiwan

Attn: Miss Julie Huang

TEST METHOD:

BS EN 321 : 1993 Cyclic tests in humid condition
Expose the test pieces to three cycles each comprising
Immersion in water at $(20 \pm 2) ^\circ\text{C}$ for $(72 \pm 1) \text{h}$
Freezing at between -12°C and -20°C for $(24 \pm 0.25) \text{h}$
Drying at $(70 \pm 1) ^\circ\text{C}$ for $(72 \pm 1) \text{h}$
Swelling in thickness measurements and Tensile strength test are carried out after the cyclic test.

DESCRIPTION OF SAMPLE:

5 pieces said to be Trilite RMS Board (Also known as Versafire) of size 50mmx50mmx12mm(t) were received.

Swelling in thickness

Reference	1	2	3	4	5
Initial Thickness (mm)	12.32	12.30	12.31	12.22	12.40
Final Thickness (mm)	12.32	12.28	12.30	12.20	12.39
Thickness Swelling (%)	0.0	-0.2	-0.1	-0.2	-0.1
Average thickness swelling (%)	-0.1				

Note : Immersion time in water :24Hrs



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June 2004

TEST RESULTS:

Tensile strength

Reference	1	2	3	4	5
Maximum tensile load (N)	570	450	430	620	470
Maximum tensile strength (N/mm ²)	0.23	0.18	0.17	0.25	0.19
Average tensile strength (N/mm ²)	0.20				


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