

# TEST REPORT

Your Ref: -

Date: 01 Jul 2004

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Fax: 67793903

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## SUBJECT:

Cyclic tests in humid condition on 6 mm thick Trilite RMS Board (Also known as Versafire) submitted by Triple Lite Inc. on 07 June 2004.

## TESTED FOR:

Triple Lite, Inc.  
2F, No. 7-6 Fen Liao Road,  
Linkou Hsiang, Taipei Hsien,  
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  $(72 \pm 1)$  h  
Freezing at between  $-12^\circ\text{C}$  and  $-20^\circ\text{C}$  for  $(24 \pm 0.25)$ h  
Drying at  $(70 \pm 1)^\circ\text{C}$  for  $(72 \pm 1)$  h  
Swelling in thickness measurements and Tensile strength test are carried out after the cyclic test.

## DESCRIPTION OF SAMPLE:

5 pieces of said to be Trilite RMS Board (Also known as Versafire) size 50mmx50mmx6mm(t) were received.

### Swelling in thickness

Reference	1	2	3	4	5
Initial Thickness (mm)	5.66	5.67	5.67	5.69	5.67
Final Thickness (mm)	5.65	5.67	5.66	5.68	5.66
Thickness Swelling (%)	-0.2	0.0	-0.2	-0.2	-0.2
Average thickness swelling (%)	-0.2				

Note : Immersion time in water :24Hrs



**TEST RESULTS:**

**Tensile strength**

Reference	1	2	3	4	5
Maximum tensile load (N)	2300	2650	2020	2850	2260
Maximum tensile strength (N/mm <sup>2</sup> )	0.92	1.06	0.81	1.14	0.90
Average tensile strength (N/mm <sup>2</sup> )	0.97				

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 Ng Lai Huat  
 Associate Engineer

  
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 Tan Boon Kwee  
 Product Manager  
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 Testing Group

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June 2004