

**SIRIM Berhad**

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(Company No.: 367474-V)

TEST REPORT

REPORT NO. : CB980525

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Our Ref. : STS 3049/3/6-1

Issued by : **Construction and Building Materials Testing Section**

Issued Date : **20 JUL 1998**

Product : Polyurethane Sandwich Panels X Type, Pre-painted Zincalume.

Reference Standard / Method of Test : DIN 53292 : Testing of Sandwiches
Tensile Test Perpendicular to the Faces.

Applicant : RIGIDFOAM INDUSTRIES (M) SDN. BHD.
P. O. Box 69,
47000 Sg. Buloh,
Selangor Darul Ehsan.
(Attn : Miss Catherine Allen)

Description of Sample : 7 pcs of Polyurethane Sandwich Panels X Type, Pre-painted Zincalume, were received for testing.
Size : 50mm (l) x 50mm (w) x 25mm (t)
Density : 35kg/m³
Weight : 0.00234 kg

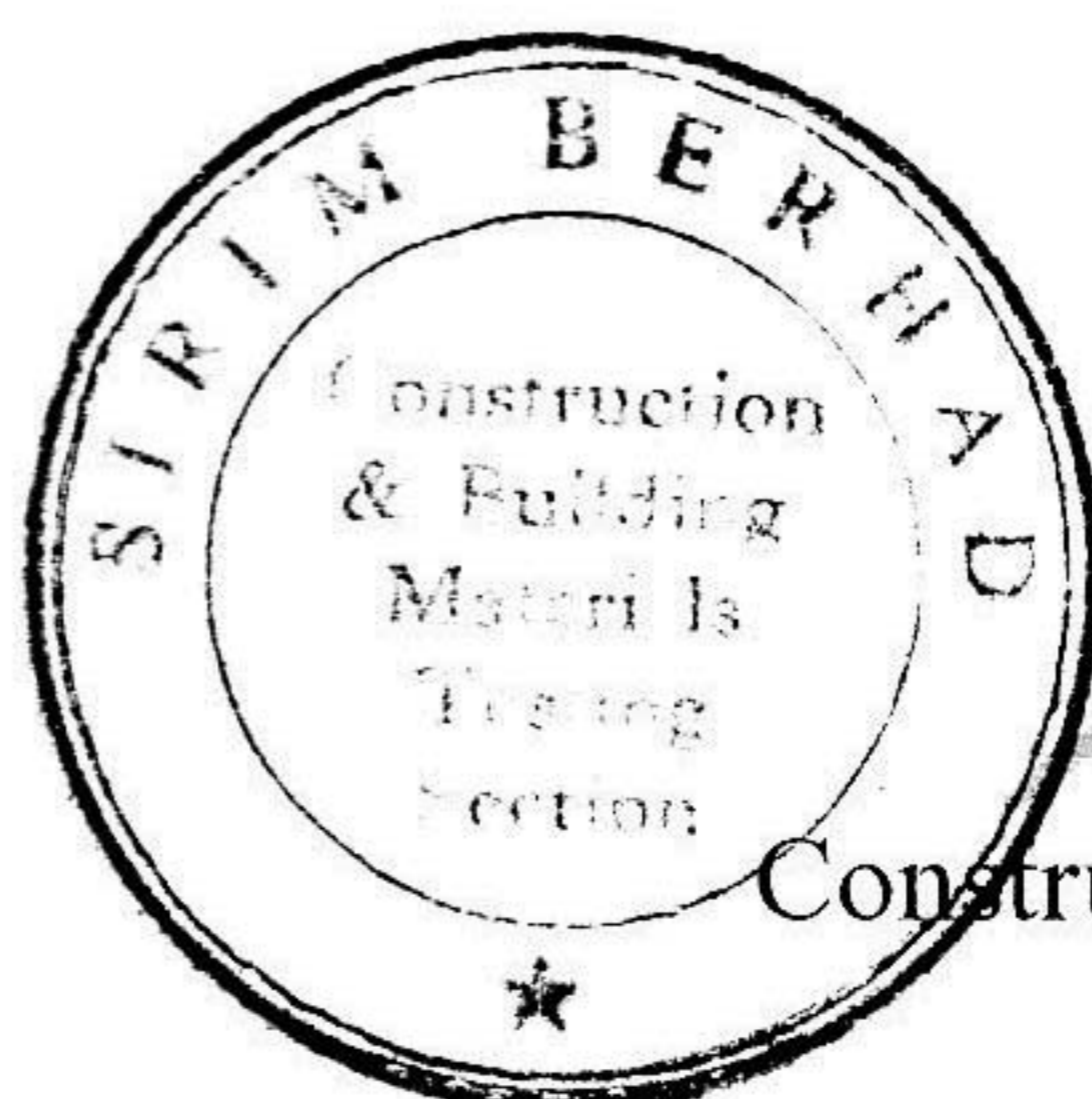
Date Received : 26/06/1998

Job No. : 98CB0427

Prepared by:

Approved by:


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ABDUL RAZAK MAT JAM
Senior Technical Executive




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MOHD. FAUZI ISMAIL
Manager

Construction & Building Materials Testing Section
Testing Services Department
SIRIM Berhad.

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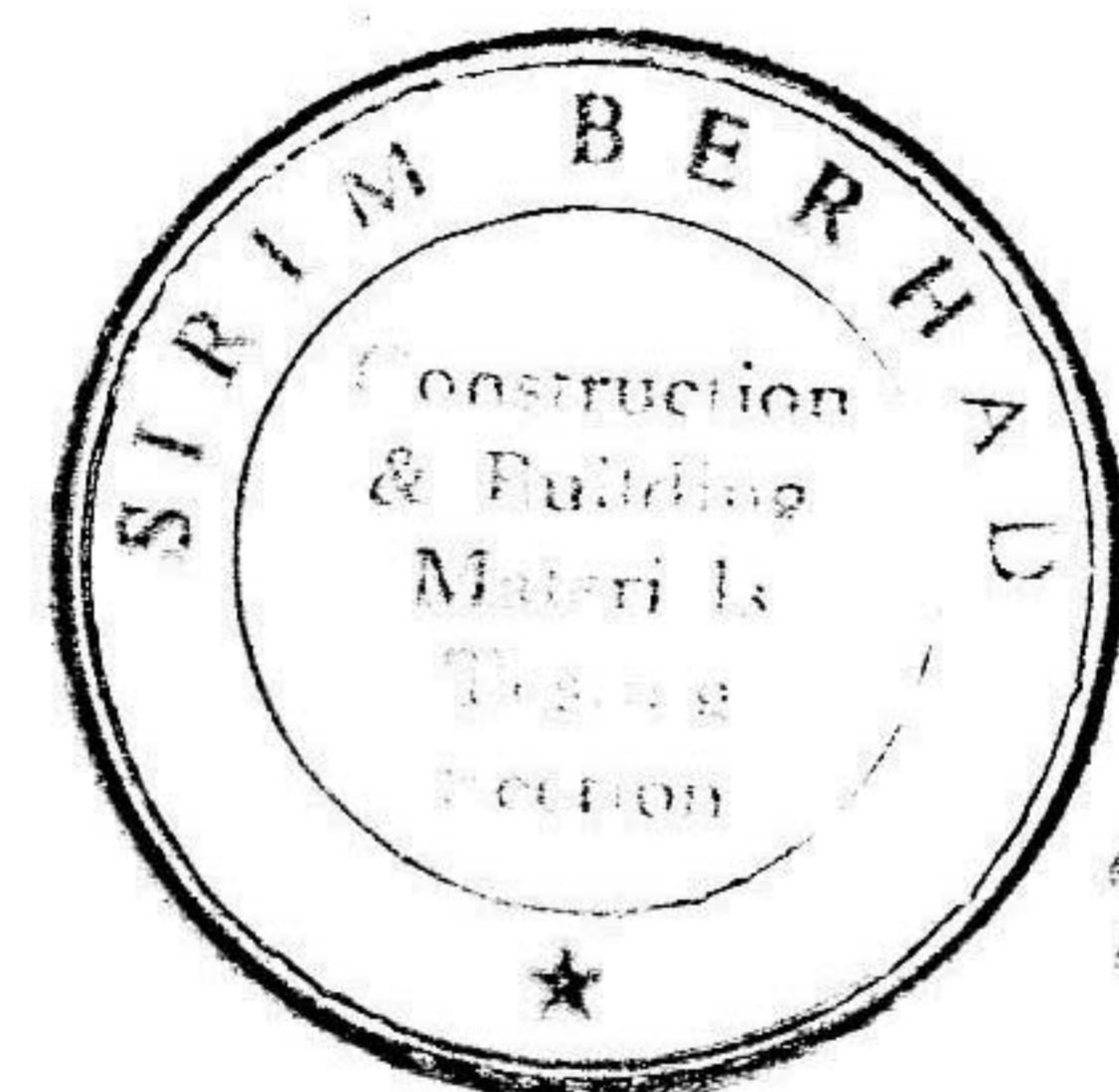
TEST RESULT :

TENSILE STRENGTH

Sample : Polyurethane Sandwich Panels X Type, Pre-painted Zinalum .
 Nominal Sample Size : 50mm (l) x 50mm (w) x 25mm (t)

SAMPLE REF.	RESULTS				
	Length <i>a</i> (mm)	Width <i>a</i> (mm)	Maximum Force <i>F</i> _{max} (N)	Tensile Strength σ_B (N/mm ²)	Mode of Failure
1	48.34	51.05	106.0	0.043	Splitting failure on the Polyurethane surface occurred. The adhesive layer * remained intact.
2	49.56	50.28	467.7	0.188	
3	52.10	50.72	87.38	0.033	
4	49.96	50.01	248.6	0.099	
5	50.52	48.49	156.2	0.064	
AVERAGE TENSILE STRENGTH				0.085 N / mm²	

Note : * The adhesive layer between the Polyurethane and Pre-painted Zinalum.



20 JUL 1998