



GR GREEN BUILDING PRODUCTS INC.

Product Test Results

TEST REF: T632-1

TESTING AGENCY:

FOR FURTHER DETAILS CONTACT:

TEST DATE: 6/20/09

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Test	Testing Program	Requirement	Test Standard / Method	Results	Result Explanation
Weathering Test	CCMC/ ICC AC07	≥90% flexural strength retention after 1000hrs of Aging	CCMC Section 6.4.11 / ASTM G155 (Weathering) / ASTM D790-07, Procedure A (Flexural Strength)	PASS	After 1000hrs = 127%*
		≥80% flexural strength retention after 2000hrs of Aging			After 2000hrs = 97%*
Wind Uplift Resistance	CCMC	No damage to the assembly	CCMC Section 6.4.6 / Modified TAS 100-95	PASS	Passed the interval wind load up to the required 170 km/hr
Dynamic Water Infiltration Resistance Test	CCMC	No leakage or damage to the assembly	CCMC Section 6.4.6 / Modified TAS 100-95	PASS	Passed the interval wind load up to the required 170 km/hr with water spray
Heat Aging	CCMC	≥80% flexural strength retention	CCMC Section 6.4.12 / ASTM D790-07, Procedure A (Flexural Strength)	PASS	Maximum Load = 108.9% Flexural Strength = 104.2% Elasticity Modulus = 95.5%
Freeze-Thaw	CCMC	No deleterious effects	CCMC Section 6.4.13	PASS	No delamination, swelling, crazing, cracking and spalling
Dimensional Stability	CCMC	Max. 5.0%	CCMC Section 6.4.1	PASS	0.7%
Water Absorption	CCMC	Max. 3.0%	CCMC Section 6.4.2	PASS	0.4%
Flexural Strength	CCMC	> 5.2 MPa	CCMC Section 6.4.4 / ASTM D790-07, Procedure A (Flexural Strength)	PASS	No delamination, swelling, crazing, cracking and spalling
Traffic Load	CCMC	> 900 N load	CCMC Section 6.4.7 / ASTM E661	PASS	1227 N
Nail Pull Through	CCMC	> 440 N	ASTM D1037, Paragraph 15	PASS	661 N

* Minor visual colour change