

TEST REPORT



CLIENT: Laticrete International Inc.
1 Laticrete Park North
Bethany, CT 06524
United States

Attention: Rosi Rezvan Rooshenas

Test Report No: 766770	Date: February 21, 2007
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SUBJECT: ANSI A118.10 Evaluation.

REFERENCE: Letter

SAMPLE ID: 5 gallons of "Laticrete Hydro Ban" waterproof membrane was received from client on 10/04/06 in good condition.

PROCEDURE: The test sample was evaluated in accordance with ANSI A118.10-1999, "Standard Specification for Load Bearing, Bonded, Waterproof Membrane for Thin-Set Ceramic Tile and Dimension Stone Installation".

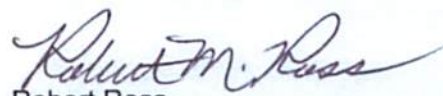
RESULTS: See test data and results on the following page.

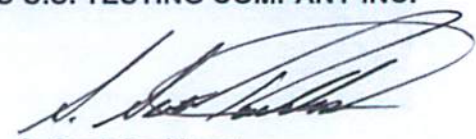
TEST DATE: 10/19/06 – 2/5/07

CONCLUSION: The material does comply with all requirements of ANSI A118.10-1999.

CERTIFICATION: The tests reported here were conducted under the continuous, direct supervision of SGS U. S. Testing Company Inc., Tulsa, OK.

**SIGNED FOR AND ON BEHALF OF
SGS U.S. TESTING COMPANY INC.**


Robert Ross
Hydro Mechanical Dept. Engineer


S. Scott Parkhurst
Hydro Mechanical Dept. Manager

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Test Procedure and Results

4.1 Fungus and Micro-Organism Resistance

Pass

Organisms used: Aspergillus Niger
Potato Dextrose Agar (39 grams to 1 liters of water)

Rating	Rating
No Traces of Growth	0
Traces of Growth (less than 10%)	1
Light Growth (10 to 30%)	2
Medium Growth (30 to 60%)	3
Heavy Growth (60% to complete coverage)	4
Sample ID: Laticrete Hydro Ban	

Start Date: 11/06/06 Finish Date: 11/20/06

Total Incubation Period: 14 days

Specimen	Rating
1	0
3	0
2	0

4.2 Seam Strength (ASTM D 751-00)

Pass

<u>Specimen</u>	<u>Width, in</u>	<u>Max. Load, lbs.</u>	<u>Load at break, lbs.</u>	<u>Requirement</u>
1	1.000	18.3	17.3	
2	1.000	14.1	13.8	
3	1.000	15.4	15.1	
4	1.000	14.2	13.4	
5	1.000	16.0	15.8	
Avg.	-	15.6	15.1	8 lbs Minimum

4.3 Breaking Strength (ASTM D 751-2000)

Pass

<u>Specimen</u>	<u>Width, in</u>	<u>Max. Load, psi.</u>	<u>Load at break, psi.</u>	<u>Requirement</u>
1	1.000	684	640	
2	1.000	720	684	
3	1.000	680	652	
4	1.000	660	660	
5	1.000	596	568	
Avg.	-	668	640.8	170 psi Minimum



4.4 Dimensional Stability (ASTM D 1204-1994)

Pass

Conditioning: Specimens were conditioned at 71°F and 50% Relative Humidity for 48 hours.

<u>Sample</u>	<u>Temperature, °F</u>	<u>% Change</u>	<u>Requirement</u>
1	+158	.473	0.7%, maximum
2	+158	.1925	0.7%, maximum
3	-15	0	0.7%, maximum
4	-15	0	0.7%, maximum

4.5 Waterproofness (ASTM D 4068-99)

Pass

Test Pressure: 2 ft. water column
Test Time: 48 hours
Observation: No Leakage
Requirement: No Leakage

5.3 7-Day Shear Strength (ASTM C 482-1996)

Pass

Specimen	Width in.	Length in.	Ultimate Load, lbs	Bond Strength, psi	
1	4.096	4.092	1530	91.3	
2	4.094	4.136	1545	91.3	
3	4.101	4.095	1242	74.0	
4	4.092	4.083	1787	107.0	
Average (Psi)	-	-	-	90.9	Psi
Average (MPa)	-	-	-	0.63	MPa

5.4 7-Day Water Immersion Shear Strength (ASTM C 482-1996)

Pass

Specimen	Width in.	Length in.	Ultimate Load, lbs	Bond Strength, psi	
1	4.100	4.139	1075	63.4	
2	4.106	4.094	1128	67.1	
3	4.103	4.084	870	51.9	
4	4.141	4.091	1009	59.6	
Average (Psi)	-	-	-	60.5	Psi
Average (MPa)	-	-	-	0.42	MPa



5.5 4-Week Shear Strength (ASTM C 482-1996)

Pass

Specimen	Width in.	Length in.	Ultimate Load, lbs	Bond Strength, psi	
1	4.126	4.087	2808	166.5	
2	4.101	4.110	2517	149.3	
3	4.087	4.105	2267	135.1	
4	4.104	4.142	2459	144.7	
Average (Psi)	-	-	-	148.9	Psi
Average (MPa)	-	-	-	1.03	MPa

5.6 12-Week Shear Strength (ASTM C 482-1996)

Pass

Specimen	Width in.	Length in.	Ultimate Load, lbs	Bond Strength, psi	
1	4.100	4.100	2350	139.8	
2	4.108	4.090	2422	144.2	
3	4.107	4.088	2980	177.5	
4	4.083	4.105	3232	192.9	
Average (Psi)	-	-	-	163.6	Psi
Average (MPa)	-	-	-	1.13	MPa

5.7 100 Day Water Immersion Shear Strength (ASTM C 482-1996)

Pass

Specimen	Width in.	Length in.	Ultimate Load, lbs	Bond Strength, psi	
1	4.105	4.111	1966	116.5	
2	4.155	4.111	2943	172.3	
3	4.122	4.109	1724	101.8	
4	4.013	4.073	2242	137.2	
Average (Psi)	-	-	-	132.0	Psi
Average (MPa)	-	-	-	0.91	MPa

End of Report