TILE COUNCIL OF NORTH AMERICA, INC.

PRODUCT TESTING SERVICES

100 Clemson Research Blvd. Anderson, SC 29625 Tel (864) 646-TILE Fax (864) 646-2821

TEST REQUESTED BY: Laticrete International, Inc.
Attn: Rosi Rooshenas /Dr. Bright
91 Amity Rd.
Bethany, CT 06524

TEST SUBJECT MATERIAL: Identified by client as: Laticrete 125 Sound & Crack Adhesive

TEST DATES: 9/24/09-12/4/09

ANSI SPECIFICATION FOR CRACK ISOLATION MEMBRANES FOR THIN-SET CERAMIC TILE AND DIMENSION STONE INSTALLATION (A118.12)

TEST/DESIGNATION	EVALUATION	ANSI SPECIFICATION
Mold Growth (4.1)	Did not support mold growth	"Membrane shall not support mold growth"
Shear Strength to Ceramic Tile and Cement Mortar* (5.1)		
7-Day shear strength (5.1.3)	77 PSI	greater than 50 PSI
7-Day water immersion Shear strength (5.1.4)	64 PSI	greater than 50 PSI
4-week shear strength (5.1.5)	130 PSI	greater than 50 PSI
Shear strength @ 0.0625 in. deflection	111 PSI	Standard Performance: 20 PSI
Shear strength @ 0.125 in. deflection	89 PSI	High Performance: 20 PSI
Accelerated Aging shear strength (5.1.6)	169 PSI	greater than 50 PSI
Shear strength @ 0.0625 in. deflection	155 PSI	Standard Performance: 20 PSI
Shear strength @ 0.125 in. deflection	N/A	High Performance: 20 PSI
Point load test (5.2)*		
Sample 1	1102 lbs	greater than 1000 lbs
Sample 2	892 lbs	greater than 1000 lbs
Sample 3	1001 lbs	greater than 1000 lbs

*NOTE: **Laticrete 125 Sound & Crack Adhesive:** Three 12 x 12-inch unglazed porcelain tiles, supplied by the client, were cut to 6 x 6-inch and bonded to the faces of three 6 x 6 x 2-inch concrete blocks with Laticrete 125 Sound & Crack Adhesive per the manufacturer's directions. The thin-set mortar was buttered on the back of the tiles to ensure maximum coverage and 1/8-inch spacers were used to provide a uniform bond coat. The blocks were cured for an additional 28 days.

Katelyn Simpson
Laboratory Manager

12/7/09
Date

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ANSI SPECIFICATION FOR CRACK ISOLATION MEMBRANES FOR THIN-SET CERAMIC TILE AND DIMENSION STONE INSTALLATION (A118.12)

System Crack Resistance Test (5.4)

Specimen 1:
- 0.016-inches No cracking to grout or tile
- 0.032-inches No cracking to grout or tile
- 0.048-inches Two cracked grout joints
- 0.064-inches One additional cracked grout joint
- 0.080-inches One additional cracked grout joint
- 0.096-inches No additional damage
- 0.112-inches No additional damage
- 0.128-inches No additional damage

Specimen 2:
- 0.016-inches No cracking to grout or tile
- 0.032-inches No cracking to grout or tile
- 0.048-inches Two cracked grout joints
- 0.064-inches Three additional cracked grout joints
- 0.080-inches No additional damage
- 0.096-inches No additional damage
- 0.112-inches No additional damage
- 0.128-inches No additional damage

Specimen 3:
- 0.016-inches No cracking to grout or tile
- 0.032-inches No cracking to grout or tile
- 0.048-inches Five cracked grout joints
- 0.064-inches No additional damage
- 0.080-inches No additional damage
- 0.096-inches No additional damage
- 0.112-inches No additional damage
- 0.128-inches No additional damage

NOTE: **Laticrete 125 Sound & Crack Adhesive:** A specific pattern of 4 x 8 x ½-inch quarry tiles (detailed by the method) was bonded to the faces of two 10 x 8 x 2-inch concrete blocks butted and strapped together to form a 20 x 8 x 2 unit, with Laticrete 125 Sound & Crack Adhesive using a 1/4 x 3/8 -Square-notch trowel. The system was allowed to cure for 24 hours before grouting with Laticrete 1500 series sanded grout. The blocks were cured for an additional 28 days.

In accordance with ANSI A118.12 system crack resistance test, this material is classified as "high performance".

[The ANSI A118.12 Requirement for system crack resistance states: "standard performance: tile failure occurs after 1/16" specimen gap opening, but before 1/8" gap opening. High performance: The failure does not occur by 1/8" specimen gap opening."]

Katelyn Simpson
Laboratory Manager

11/2/09
Date