



PRODUCT TESTING SERVICE

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

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

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


TEST DATES: 9/18/07 – 1/16/08

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

<u>TEST/DESIGNATION</u>	<u>EVALUATION</u>	<u>ANSI SPECIFICATION</u>
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)	78 PSI	greater than 50 PSI
7-Day water immersion Shear strength (5.1.4)	54 PSI	greater than 50 PSI
4-week shear strength (5.1.5)	103 PSI	greater than 50 PSI
Shear strength @ 0.0625 in. deflection	83 PSI	Standard Performance: 20 PSI
Shear strength @ 0.125 in. deflection	N/A	High Performance: 20 PSI
Accelerated Aging shear strength (5.1.6)		
Shear strength @ 0.0625 in. deflection	127 PSI	greater than 50 PSI
Shear strength @ 0.125 in. deflection	84 PSI	Standard Performance: 20 PSI
Shear strength @ 0.125 in. deflection	33 PSI	High Performance: 20 PSI
Point load test (5.2)*		
Sample 1	1150 lbs	greater than 1000 lbs
Sample 2	1113 lbs	greater than 1000 lbs
Sample 3	1115 lbs	greater than 1000 lbs

*NOTE: Customer supplied concrete blocks and tiles.

*NOTE: **Laticrete 125 Sound and Crack Adhesive.** Tile bonded with Laticrete 125 Sound and Crack Adhesive: Laticrete 125 Sound and Crack Adhesive was bonded to the faces of three 6 x 6 x 2-inch concrete blocks per the manufacturer's directions. Three 12 x 12-inch unglazed porcelain tiles were cut to 6 x 6-inch and bonded with Laticrete 125 Sound and Crack Adhesive to the three blocks. 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.


 Bill Griese
 Laboratory Engineer

4/1/08
 Date



PRODUCT TESTING SERVICE

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

TCNA TEST REPORT NUMBER: TCNA-483-07

PAGE: 2 OF 2

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 3 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


Specimen 2: 0.016-inches No Cracking to grout or tile
0.032-inches No Cracking to grout or tile
0.048-inches 3 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

Specimen 3: 0.016-inches No Cracking to grout or tile
0.032-inches No Cracking to grout or tile
0.048-inches 3 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: Tile bonded with Laticrete 125 Sound and Crack Adhesive: The Laticrete 125 Sound and Crack Adhesive was applied to the concrete blocks per the manufacturer's directions, 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. A specific pattern of 4 x 8 x 1/2-inch quarry tiles (detailed by the method) was bonded with Laticrete 125 Sound and Crack Adhesive to the membrane with a 1/4 x 3/8 -U-notch trowel on Specimen 1. For specimen 2 and 3 a 1/2 x 1/2 -U-notch trowel was used. The system was allowed to cure for 24 hours. The system was grouted using Laticrete Tri-Poly Fortified Sanded Grout 1500 Series mixed with water. 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."]


Bill Griese
Laboratory Engineer

4/1/08
Date