

Material & Product Testing Laboratories Inc.



"Success Through Testing"

DATE:	November 26, 2013
LAB. No.:	13-3186-1
CLIENT:	Brick-It 17 Central Avenue Hauppauge, NY 11788
ATTENTION:	Ron Trezza
CLIENT'S ORDER NO.:	Pending
MATERIAL:	Brick-It bricks
MARKED:	See Sample Description below
SUBMITTED FOR:	Pullout Strength, Reference ASTM E754

1.0 Sample Description for SHEAR TEST:

Qty. 3 Sample #1A:

¾" Plywood
Brick-It Metal Grid (no ledge)
3 Pieces of Brick 2" X 2" X ½" thick
Sonneborn Premium Adhesive
Applied a ¼" X 1" of vertical stripe of adhesive to metal grid

Qty. 3 Sample #2A:

¾" Plywood
Brick-It Metal Grid
3 Pieces of Brick 2" X 2" X ½" thick
PROvantage Advanced Solvent
Applied a ¼" X 1" of vertical stripe of adhesive to metal grid

Qty. 3 Sample #1B:

¾" Plywood
Brick-It Metal Grid (with ledge)
3 Pieces of Brick 2" X 2" X ½" thick
Sonneborn Premium Adhesive
Applied a ¼" X 1" of vertical stripe of adhesive to metal grid

Qty. 3 Sample #2B:

¾" Plywood
Brick-It Metal Grid (with ledge)
3 Pieces of Brick 2" X 2" X ½" thick
PROvantage Advanced Solvent
Applied a ¼" X 1" of vertical stripe of adhesive to metal grid

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2.0 Sample Description for PULLOUT (TENSILE) TEST:

Qty. 3 Sample #1:

¾" Plywood
 Brick-It Metal Grid (no ledge)
 3 Pieces of Brick 2" X 2" X ½" thick
 Sonneborn Premium Adhesive
 Applied a ¼" X 1" of vertical stripe of adhesive to metal grid

Qty. 3 Sample #2:

¾" Plywood
 Brick-It Metal Grid (no ledge)
 3 Pieces of Brick 2" X 2" X ½" thick
 PROvantage Advanced Solvent
 Applied a ¼" X 1" of vertical stripe of adhesive to metal grid

3.0 TEST RESULTS:

Sample Number and Description	Shear Strength (lbs.)	Shear Strength (psi)
1A- Sonneborn premium adhesive, no ledge	245	61.25
1A- Sonneborn premium adhesive, no ledge	460	115
1A- Sonneborn premium adhesive, no ledge	350	87.5
2A- PROvantage advanced solvent, no ledge	815	203.75
2A- PROvantage advanced solvent, no ledge	1,040	260
2A- PROvantage advanced solvent, no ledge	1,295	323.75
1B- Sonneborn premium adhesive, with ledge	650	162.5
1B- Sonneborn premium adhesive, with ledge	835	208.75
1B- Sonneborn premium adhesive, with ledge	590	147.5
2B- PROvantage advanced solvent, with ledge	1,685	421.25
2B- PROvantage advanced solvent, with ledge	1,620	405
2B- PROvantage advanced solvent, with ledge	1,890	472.5

Sample Number and Description	Pullout (Tensile) Strength (lbs.)	Pullout (Tensile) Strength (psi)
1- Sonneborn premium adhesive	250	62.5
1- Sonneborn premium adhesive	240	60
1- Sonneborn premium adhesive	255	63.75
2- PROvantage advanced solvent	675	168.75
2- PROvantage advanced solvent	690	172.5
2- PROvantage advanced solvent	725	181.25

4.0 CERTIFICATION AND SIGNATURES:

We certify that this report is a true report of results obtained from tests of this material.

Respectfully submitted,
Material & Product Testing Laboratories, Inc.



Al Barbera, Laboratory Manager

