



PRODUCT TESTING SERVICES

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

March 21, 2011

Duradek Canada LTD.
Attn: Len Viegener
8288 129th Street
Surrey, BC V3W 0A6
Canada

Dear Mr. Viegener,

Tile Council of North America has tested the samples you submitted. Test report TCNA-428-10 is enclosed. If you have any questions or concerns, please contact us.

Best Regards,

TILE COUNCIL OF NORTH AMERICA, INC.


Katelyn Simpson
Laboratory Manager
Enclosures

Testing Services: testing@tileusa.com • Literature Orders: literature@tileusa.com • Web Site: www.tileusa.com

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TEST REPORT NUMBER: TCNA-428-10 **PAGE: 1 OF 1**

TEST REQUESTED BY: Duradek Canada LTD.
 Attn: Len Viegener
 8288 129th Street
 Surrey, BC V3W 0A6
 Canada

TEST SUBJECT MATERIAL: Identified by client as: Tiledex

TEST DATES: 11/30/10-3/21/11

ANSI SPECIFICATIONS FOR LOAD BEARING, BONDED, WATERPROOF MEMBRANES FOR THIN-SET CERAMIC TILE AND DIMENSION STONE INSTALLATION (A118.10)

<u>TEST/DESIGNATION</u>	<u>EVALUATION</u>	<u>ANSI SPECIFICATION</u>
Mold Growth (4.1)	Does not support mold growth	"Membrane shall not support mold growth."
Seam Strength (4.2)	106 lbs	16 lbs/2-inch width
Breaking Strength (4.3) Longitudinal	2247 psi	170 psi minimum
Breaking Strength (4.3) Transverse	1604 psi	170 psi minimum
Dimensional Stability (4.4)		
Longitudinal (158°F)	0.03% change after 8 hours	0.7% max. length change
Longitudinal (-15°F)	-0.02% change after 8 hours	
Transverse (158°F)	0.07% change after 8 hours	
Transverse (-15°F)	-0.05% change after 8 hours	
Waterproofness (4.5)	No moisture penetration	No moisture penetration after 48 hours
Shear Strength to Ceramic Tile and Cement Mortar* (5.0)		
7-day shear strength (5.3)	53 PSI	Greater than 50 PSI
7-day water immersion shear strength (5.4)	159 PSI	Greater than 50 PSI
4-week shear strength (5.5)	132 PSI	Greater than 50 PSI
12-week shear strength (5.6)	147 PSI	Greater than 50 PSI
100-day water immersion shear strength (5.7)	115 PSI	Greater than 50 PSI

*Note: Membrane bonded to concrete block with Duradek D763R adhesive for dry shear strength testing and UR2139 A&B epoxy adhesive for water immersion shear strength testing. Tile bonded with Mapei Granirapid Thin-set.

Katelyn Simpson
 Katelyn Simpson

Laboratory Manager

3/21/11
 Date



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TEST REQUESTED BY: Duradek Canada LTD.
 Attn: Len Viegener
 8288 129th Street
 Surrey, BC V3W 0A6
 Canada

TEST SUBJECT MATERIAL: Identified by client as: Tiledek

TEST DATES: 11/30/10-3/21/11

ANSI SPECIFICATIONS FOR LOAD BEARING, BONDED, WATERPROOF MEMBRANES FOR THIN-SET CERAMIC TILE AND DIMENSION STONE INSTALLATION (A118.10)

<u>TEST/DESIGNATION</u>	<u>EVALUATION</u>	<u>ANSI SPECIFICATION</u>
Mold Growth (4.1)	Does not support mold growth	"Membrane shall not support mold growth."
Seam Strength (4.2)	75 lbs	16 lbs/2-inch width
Breaking Strength (4.3) Longitudinal	2247 psi	170 psi minimum
Breaking Strength (4.3) Transverse	1604 psi	170 psi minimum
Dimensional Stability (4.4)		
Longitudinal (158°F)	0.03% change after 8 hours	0.7% max. length change
Longitudinal (-15°F)	-0.02% change after 8 hours	
Transverse (158°F)	0.07% change after 8 hours	
Transverse (-15°F)	-0.05% change after 8 hours	
Waterproofness (4.5)	No moisture penetration	No moisture penetration after 48 hours
Shear Strength to Ceramic Tile and Cement Mortar* (5.0)		
7-day shear strength (5.3)	76 PSI	Greater than 50 PSI
7-day water immersion shear strength (5.4)	110 PSI	Greater than 50 PSI
4-week shear strength (5.5)	143 PSI	Greater than 50 PSI
12-week shear strength (5.6)	151 PSI	Greater than 50 PSI
100-day water immersion shear strength (5.7)	124 PSI	Greater than 50 PSI

*Note: Membrane bonded to concrete block with Duradek D763R adhesive for dry shear strength testing and UR2139 A&B epoxy adhesive for water immersion shear strength testing. Tile bonded with Mapei Kerabond/Keralastic Thin-set.

Katelyn Simpson
 Katelyn Simpson
 Laboratory Manager

3/21/11
 Date