PRI Construction Materials Technologies LLC

6412 Badger Drive
Tampa, FL 33610
813.621.5777
https://www.pri-group.com/

Laboratory Test Report

Report for:	Winkler S.r.l. Via Michelangelo Buonarroti 15 20093 Cologno Monzese Mi Italy
Product Name:	Wingrip® Bituminoso
Project No.:	1618T0003.02
Dates Tested:	May 11th – Sept. 1st, 2021
Test Methods:	ANSI A118.12
Results Summary:	Passed Minimum Performance Criteria

Purpose: Evaluate the shear strength, point load, and system crack resistance of Winkler USA's Wingrip® Bituminoso liquid applied waterproof membrane in accordance with the *American National Standard Specification for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation A118.12.*

Test Methods: Testing was completed as described in American National Standard Specification for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation A118.12-2014. Test methods assigned or referenced include ASTM C482 Standard Test Method for Bond Strength of Ceramic Tile to Portland Cement Paste.

Sampling: Sampling was conducted by Quality Control Consultants as stated on QCC report QCC-TSSR1-19 dated 06/10/2019. Signatures were verified upon arrival.

Product	Source	Date Received	Sampling
Wingrip® Bituminoso Wintechno Mat Bond Cement	Milan, Italy	May 11th, 2021	QCC

Testing Location: Testing was conducted at PRI-CMT located in Tampa, FL. Calibration of testing instrumentation was performed by either an ISO accredited calibration laboratory or by a PRI-CMT representative in compliance with PRI-CMT In-House quality control program governed by ISO/IEC 17025-17.

Test Results: Conditions at beginning of testing 22°C (73°F) with 50% Rh.

Table 1: ANSI A118.12

Property	Test Method	Result	Requirement
Material Property Requirements			
Fungi Resistance [Pass/Fail] Aspergillus Niger 14d @ 82.4-86°F & 90±5% RH	ANSI A118.12 Section 4.1	Pass[1]	The Membrane shall not support mold growth
Shear Strength 4 specimens per condition; 18 wet mil (Applied in 2 coats 9 mil each) Bonded area 4in. x 3-3/4in. Type X tile bonded w/ Winkler 2-part Bond Cement; Cure 7d @ 70-77°F & 50±5%RH; Rate = 200±20psi/min; Conditioned as follows:	ANSI 118.12 ASTM C482		
7-day shear strength (psi)		106	≥ 50
7-day water immersion shear strength (psi)		75	≥ 50
4-week shear strength (psi)		150	≥ 50
Deflection - Standard Performance [Pass/Fail] Bonded @ ≥ 20psi; 0.0625in. of deflection		Pass	Pass
Accelerated ageing (psi) Cond. 28d @140±2°F followed by; Cond. 1d @ 73.4±3.6°F & 50±10%RH;		231	≥ 50
Deflection - Standard Performance *[Pass/Fail]* Bonded @ ≥ 20psi; 0.0625in. of deflection.		Pass	Pass
Point Load Test (lb_f) 3 specimens; Bonded Area 6in x 6in; 18 wet mil (Applied in 2 coats 9 mil each); Type X2 Tile bonded w/ Winkler 2-part Bond Cement; Cured 28d @ 70-77°F & 50±5%RH; Test 1/2in spherical probe; Rate: 0.05in/min	ANSI A118.12 Section 5.2	1762	≥ 1,000
System Crack Resistance Test (in.) 3 specimens; Bonded Area 8in x 20in; 18 wet mil (Applied in 2 coats 9 mil each w/ Wintechno Mat between) Type D Tile bonded w/ Winkler 2-part Cement; Grouted w/ Winkler 2-part Bond Cement; Cured 28d @ 70-77°F & 50±5%RH Displacement of 0.016" at 1hr intervals	ANSI A118.12 Section 5.4		
Specimen Gap - Standard Performance		Pass	≥ 0.062

Note(s): 1- Results reported from MicroStar Lab Report R2021-524 dated 09/01/2021.

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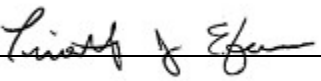
PRI Construction Materials Technologies LLC 6408 Badger Drive Tampa, FL 33610 Tel: 813-621-5777 Fax: 813-621-5840 e-mail: materialstesting@pricmt.com WebSite: http://www.pricmt.com

Statement of Compliance:
The performance of this material was determined in accordance with the **American National Standard Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation A118.12-2014.** This report does not constitute certification of this product which may only be granted by the certification program administrator.

ANSI A118.12 Section 5.3 Robinson Floor Test was omitted from this evaluation.

Signed: 

Timothy Efaw
Manager

Date: October 1st, 2021

Report Issue History:

Issue #	Date	Pages	Revision Description (if applicable)
Original	10/01/2021	3	

End of Report

PRI Construction Materials Technologies LLC 6408 Badger Drive Tampa, FL 33610 Tel: 813-621-5777 Fax: 813-621-5840 e-mail: materialstesting@pricmt.com WebSite: http://www.pricmt.com