



PRI Construction Materials Technologies LLC

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Laboratory Test Report

Report for: Sealux Ltd.
26 Churchtown Rd.
Dublin D14CC99
Ireland

Product Name: Sealux Waterproofing Strip Membrane (EAU2000112)

Project No.: 2104T0019.02

Dates Tested: Jan. 20th – June 17th, 2021

Test Methods: ANSI A118.10 & ASTM E96

Results Summary: Passed Minimum Performance Criteria



Purpose: Evaluate the seam strength, breaking strength, dimensional stability, waterproofness, water vapor transmission, and bonded shear strength, of the Sealux Waterproofing Strip Membrane (EAU2000112) in accordance with the *American National Standard Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimension Stone Installation A118.10 and ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials.*

Test Methods: Testing was completed as described in American National Standard Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation A118.10-2014 and ASTM E96/96M-2016 Standard Test Methods for Water Vapor Transmission of Materials. Test methods assigned or referenced include *ASTM D751 Standard Test Methods for Coated Fabrics, ASTM D1204 Standard Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature, ASTM D4068 Standard Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-Containment Membrane, and ASTM C482 Standard Test Method for Bond Strength of Ceramic Tile to Portland Cement Paste.*

Sampling: The following materials were received via common carrier by PRI.

<u>Product</u>	<u>Source</u>	<u>Date Received</u>	<u>Sampling</u>
Sealux Waterproofing Strip Membrane (EAU2000112)	Rochester, NH	Dec. 21 st , 2020	Client

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.

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

Table 1: ANSI A118.10 / ASTM E96

Property	Test Method	Result	Requirement
Material Property Requirements			
Seam Strength (lb _f /in width) 5 specimens; Laticrete XLT Test @ 73.4±3.6°F & 50±10% RH; Rate = 12in./min	ASTM D751 Procedure B	56	≥ 8
Breaking Strength (psi) 5 specimens; Test @ 73.4±3.6°F & 50±10% RH; Rate = 12in./min	ASTM D751 Procedure B		
Traverse Direction		1416	≥ 170
Longitudinal Direction		882	≥ 170
Dimensional Stability (%) 2 specimens; Cond. 48h @ -15±2°F Test @ 73.4±3.6°F & 50±10% RH;	ASTM D1204		
Traverse Direction		0.2	≤ 0.7
Longitudinal Direction		0.4	≤ 0.7
Dimensional Stability (%) 2 specimens; Cond. 48h @ 158±2°F Test @ 73.4±3.6°F & 50±10% RH;	ASTM D1204		
Traverse Direction		0.2	≤ 0.7
Longitudinal Direction		0.7	≤ 0.7
Waterproofness (Pass/Fail) 3 specimens 3in. x 3in.; 55cm head of water for 48h; Test @ 73.4±3.6°F & 50±10% RH;	ASTM D4068	Pass	Specimen shall show no evidence of moisture penetration
Water Vapor Transmission (US Perms) 5 specimens Desiccant Method Test @ 100±1.8°F & 90±2% RH	ASTM E96 (Procedure E)	0.1	Report ¹

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Property	Test Method	Result	Requirement
Shear Strength (psi) 4 specimens per condition ¹ ; Bonded area 4in. x 3.75in. Type X tile; bonded w/ Laticrete XLT Cure 7d @ 70-77°F & 50±5%RH; Rate = 200±20psi/min; Conditioned as follows:	ANSI 118.10 ASTM C482		
7-day shear strength		50	≥ 50
7-day water immersion shear strength		55	≥ 50
4-week shear strength		58	≥ 50
12-week shear strength		72	≥ 50
100-day water immersion shear strength		54	≥ 50

Note(s): - 1- Not required per A118.10, included per client request.

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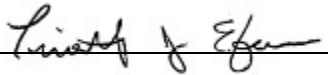
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Statement of Compliance:

The performance of these materials 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 A118.10-2014, and ASTM E96/96M-2016 Standard Test Methods for Water Vapor Transmission of Materials**. Upon completion of testing the specimens were compliant with the minimum performance criteria specified. This report does not constitute certification of this product which may only be granted by the certification program administrator.

ANSI A118.10 section 4.1 of Fungus and micro-organism growth was omitted from this evaluation.

Signed: 
Timothy Efaw
Manager

Date: July 1st, 2021

Report Issue History:

Issue #	Date	Pages	Revision Description (if applicable)
Original	07/01/2021	4	
Revision 1	07/02/2021	All	Corrected Clerical Errors
Revision 2	09/13/2021	All	Reissued Report / Added Picture

End of Report

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