



PERFORMANCE TEST REPORT

Rendered to:

FIBERLOCK TECHNOLOGIES, INC.

PRODUCTS: Recon Smoke Odor Sealer (#3090) White

**TYPES: Water Based Fluid Applied Membrane for
Smoke Odor Sealing and Stain Blocking**

Report No.: G0654.02-106-31

Report Date: 08/19/16

Test Record Retention Date: 08/04/20



PERFORMANCE TEST REPORT

Rendered to:

FIBERLOCK TECHNOLOGIES, INC.
150 Dascomb Road
Andover, Massachusetts 01810

Report No.: G0654.02-106-31
Test Start Date: 07/11/16
Test Completion Date: 08/04/16
Report Date: 08/19/16
Test Record Retention Date: 08/04/20

Products: Recon Smoke Odor Sealer (#3090) White

TYPES: Water Based Fluid Applied Membrane for Smoke Odor Sealing and Stain Blocking

Project Summary: Architectural Testing, Inc., an Intertek company ("Intertek-ATI"), was contracted by Fiberlock Technologies, Inc. to evaluate the water vapor permeance of their Recon Smoke Odor Sealer (#3090) White, water based fluid applied membrane for smoke odor sealing and stain blocking. The product description, test procedure, and test results are reported herein. The average test results are listed in the table below.

Average Permeance - ASTM E96, Procedure B (Wet Cup)	
ng/(Pa·s·m²)	perms
1,100	19.274

Test Method: The test specimens were evaluated in accordance with ASTM E96/E96M-15, *Standard Test Methods for Water Vapor Transmission of Materials*, Water Method.

Product Description: The Recon Smoke Odor Sealer (#3090) White was submitted to Intertek-ATI by Fiberlock Technologies, Inc. and consisted of a quart size can.

A free film of the Recon Smoke Odor Sealer (#3090) White was made using metal shims in order to create test specimens for ASTM E96. The film was poured and allowed to cure for one week prior to the beginning of testing. The material was poured at a thickness of 25 wet mils, which yielded a dry film thickness of 10 mils.

Test Procedure and Test Results: The testing procedure and results obtained from testing are reported as follows. All conditioning of test specimens and test conditions were at standard laboratory conditions unless otherwise reported.

ASTM E96 - Water Vapor Permeance, Water Method

Each test specimen was cut to fit the circular aluminum test dish then secured with a gasket to a de-ionized water-filled test dish for wet cup testing. This resulted in the higher water vapor pressure inside the test specimen assembly. The interior face of the sheeting remained in direct contact with the laboratory conditions. The resulting open area of each test specimen for testing was 7.1 in². The weights of the test specimen assemblies were recorded once a day during normal business days utilizing a Mettler Toledo AX504 Balance (ICN: 003449). The lab environmental conditions were recorded at the same time. The water vapor permeance was calculated in accordance with the test method. The permeability was not calculated since the test specimens were less than 0.5 in. thick.

Recon Smoke Odor Sealer (#3090) White

Specimen No.	Average Temp. (°F)[°C]	Average Relative Humidity (%)	Average Thickness (in)	Permeance	
				(perms)	ng/(Pa·s·m ²)
1	69.8 [21.0]	49.2	0.010	16.592	948
2	69.8 [21.0]	49.2	0.011	17.869	1,020
3	69.8 [21.0]	49.2	0.010	23.361	1,330
Average				19.274	1,100



Intertek-ATI will service this report for the entire test record retention period. Test records that are retained such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation will be retained by Intertek-ATI for the entire test record retention period.

Results obtained are tested values and were secured using the designated test methods. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimen(s) tested. This report may not be reproduced, except in full, without the written approval of Intertek-ATI.

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Revision Log

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