Intertek | Architectural Testing

PERFORMANCE TEST REPORT

Rendered to:

ICP CONSTRUCTION, INC.

PRODUCT: Fiberlock Ultra Recon Smoke Odor Sealer #3092

Report No.: G8881.01-106-31
Report Date: 05/23/17
Test Record Retention Date: 05/05/21

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PERFORMANCE TEST REPORT

Rendered to:

ICP CONSTRUCTION, INC.
150 Dascomb Road
Andover, Massachusetts 01810

Report No.:	G8881.01-106-31
Test Dates:	03/28/17
Through:	05/05/17
Report Date:	05/23/17
Test Record Retention Date:	05/05/21

Product: Fiberlock Ultra Recon Smoke Odor Sealer #3092

Project Summary: Architectural Testing, Inc., an Intertek company ("Intertek-ATI"), was contracted by ICP Construction, Inc. to evaluate the water vapor transmission of Fiberlock Ultra Recon Smoke Odor Sealer #3092. The product description, test procedure, and test results are reported herein.

Test Method: The test specimens were evaluated in accordance with ASTM E96/E96M-16, *Standard Test Methods for Water Vapor Transmission of Materials*.

Product Description: The Fiberlock Ultra Recon Smoke Odor Sealer #3092 (white) was submitted to Intertek-ATI by ICP Construction, Inc. on March 3, 2017. Refer to the product description photo in Appendix A.

Test Procedure and Test Results: The testing procedures 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. Refer to the test related photo in Appendix A.

ASTM E96 Water Vapor Transmission

Specimens were prepared as 9 mil wet thickness to achieve an average dry film thickness of 3 mil for testing. Specimens were secured with two rubber seals and a screen to a calcium chloride-filled test dish for dry cup testing. This resulted in a higher water vapor pressure on the outside of the test specimen assembly. Specimens were secured with two rubber seals and a screen to a water-filled test dish for wet cup testing. This resulted in a higher water vapor pressure on the inside of the test specimen assembly.

The resulting open area of each specimen for testing was 7.1 in^2. The side designated as A of each specimen remained in direct contact with the laboratory conditions. The weights of the specimen assemblies were recorded twice 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 average relative humidity did not fall within 50 ±2% as stated in the method and was taken into account in the calculations.

Water Vapor Transmission, Desiccant Method

Specimen No.	Average Temp., ºC (ºF)	Average Relative Humidity, %	Permeance		Water Vapor Transmission	
			ng/(Pa·s·m^2)	perms	g/(h·m^2)	g/(24hr·m^2)
1	21.2 (70.1)	46.5	94.5	1.654	0.4395	10.5480
2	21.2 (70.1)	46.5	107	1.877	0.5009	12.0216
3	21.2 (70.1)	46.5	85.0	1.488	0.3937	9.4488
		Average	**95.6**	**1.673**	**0.4447**	**10.6728**

Water Vapor Transmission, Water Method

Specimen No.	Average Temp., ºC (ºF)	Average Relative Humidity, %	Permeance		Water Vapor Transmission	
			ng/(Pa·s·m^2)	perms	g/(h·m^2)	g/(24hr·m^2)
1	21.1 (70.0)	46.6	443	7.746	2.1404	51.3696
2	21.1 (70.0)	46.6	390	6.828	1.8888	45.3312
3	21.1 (70.0)	46.6	466	8.154	2.2525	54.0600
		Average	**433**	**7.576**	**2.0939**	**50.2536**

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.

For INTERTEK-ATI:

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Attachments (pages) This report is complete only when all attachments listed are included.
Appendix A - Photographs (1)

Revision Log

Rev. #	Date	Page(s)	Revision(s)
0	05/23/17	N/A	Original report issue

APPENDIX A

Photographs

Photo No. 1
Materials As-Received

Photo No. 2
Test Specimens Utilized for This Evaluation