

CLIENT: Polycoat Products
14722 Spring Ave,
Santa Fe Springs, CA 90670

Test Report No: TJ4139-7	Date: December 20, 2016
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REFERENCE: Data collected under QAI Laboratories project number TJ4139-1

SAMPLE ID: Sample Identified as; **Aquaseal 5000-WC-GC-Vertical**

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received at QAI on September 14, 2016.

TESTING PERIOD: November 23 – December 1, 2016

AUTHORIZATION: Testing was authorized by proposal 16SP0823 signed by, Hemant Prajapati, on September 9, 2016.

TEST PROCEDURE: ASTM E96-15, Standard Test Method for Water Vapor Transmission of Materials, Procedure B Water Method.

TEST RESULTS: Detailed test results are presented in the subsequent pages of this report.

Prepared By


Rocky Hale
Materials Technician

**Signed for and on behalf of
QAI Laboratories, Inc.**


Joe Cavett
Project Manager

Testing was conducted in accordance with ASTM E 96/E96M-15, *Standard Test Methods for Water Vapor Transmission of Materials*, Procedure B for Water Method. Three (3) 3-inch circular specimens were prepared from the submitted material and assembled into test fixtures containing water. The test fixtures were maintained in an environment with a constant temperature of 73°F and 50% relative humidity. Weight measurements were recorded periodically after the test material had reached a steady state condition with relationship to change in weight vs. time. The water vapor permeance was then calculated as outlined in ASTM E 96.

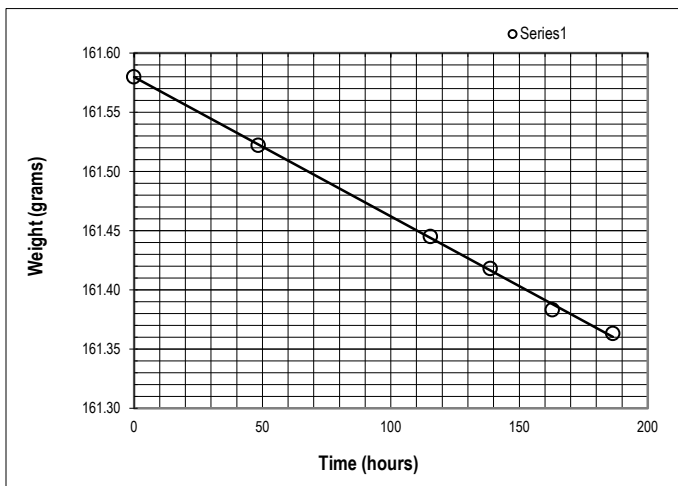
Table 1- Results Aquaseal 5000-WC-GC-Vertical

Date	Time* (clock)	C=	4.909	D=	0.00317	C=	4.909	D=	0.00317	C=	4.909	D=	0.00317
		X- hours	Y-grams	Slope	X- hours	Y-grams	Slope	X- hours	Y-grams	Slope			
11/23	1:30 PM	0.00	161.580	-----	0.00	159.852	-----	0.00	160.238	-----			
11/25	2:00 PM	48.50	161.522	0.0012	48.50	159.792	0.0012	48.50	160.205	0.0007			
11/28	9:00 AM	115.50	161.445	0.0011	115.50	159.709	0.0012	115.50	160.152	0.0008			
11/29	8:15 AM	138.75	161.418	0.0012	138.75	159.683	0.0011	138.75	160.137	0.0006			
11/30	8:30 AM	163.00	161.383	0.0014	163.00	159.646	0.0015	163.00	160.108	0.0012			
12/1	8:00 AM	186.50	161.363	0.0009	186.50	159.626	0.0009	186.50	160.098	0.0004			
Begin calculations @ hr:		0.00			0.00			0.00			AVG		
End calculations @ hr:		186.50			186.50			186.50					
E. Slope (gm/hr)		0.00118			0.00123			0.00077					
F. WVT (gm/m²/hr) = E ÷ D		0.371			0.388			0.244			0.334		
G. WVT (gm/m²/24hr) = F x 24		8.91			9.31			5.84			8.024		
H. WVT (gr/ft²/hr) = G x 0.0596		0.531			0.555			0.348			0.478		
I. Perms** (gr/ft²/hr/inHg) =		1.281			1.338			0.840			1.153		

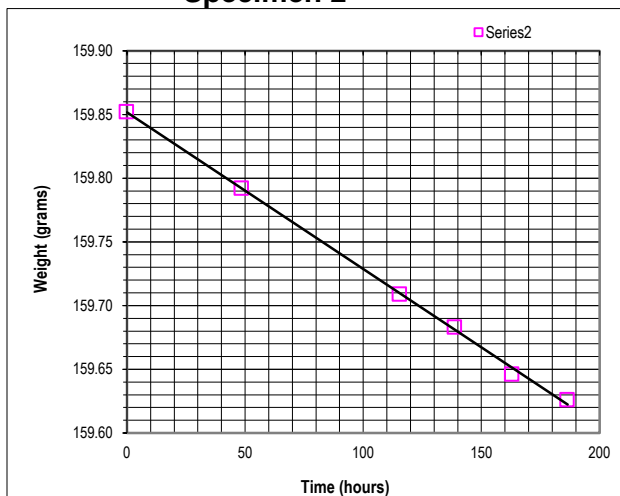
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Aquaseal 5000-WC-GC-Vertical

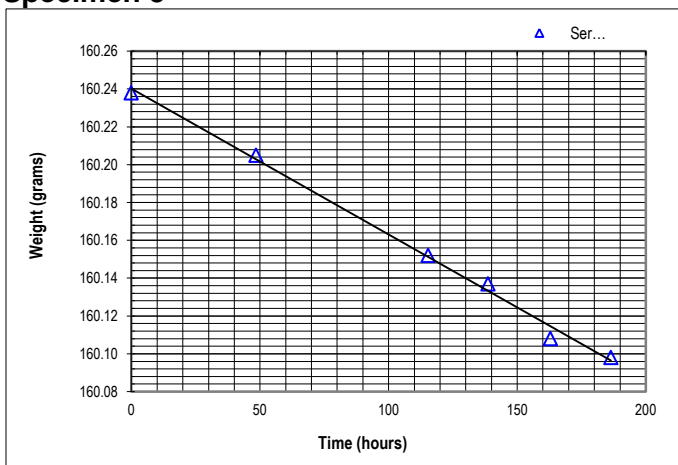
Specimen 1



Specimen 2



Specimen 3



***** END OF TEST REPORT *****

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