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**TESTING
OF
SURE CAVITY**

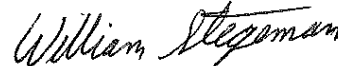
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The test results contained in this report pertain only to the samples submitted for testing and not necessarily to all similar products.

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TESTING OF SURE CAVITY

INTRODUCTION:

This report presents the results of Water Vapor Transmission tests conducted on samples of Sure Cavity. The testing was authorized by Steve Samec of Masonry Technology Incorporated on May 23, 2008. The testing and data analysis were completed on June 10, 2008.

The scope of our work was limited to conducting Water Vapor Transmission tests on the samples submitted and reporting the results.

SUMMARY OF RESULTS:

Average

Sample Description:	WVT, grains/hr•ft ²	Permeance (Perms), grains/hr•ft ² •in. Hg	Permeability, perm•inch
Sure Cavity 10mm	4.14	10.12	4.47
Sure Cavity 3/16"	9.60	23.45	8.79

Based upon EG356 "EVALUATION GUIDELINE FOR A MOISTURE DRAINAGE SYSTEM USED WITH EXTERIOR WALL VENEERS", section 3.1.3.1 "Conditions of Acceptance:" This material would not be defined as a vapor retarder.

SAMPLE IDENTIFICATION:

The samples were identified as Sure Cavity 10mm SCMM 2532 and Sure Cavity 3/16" SC5032.

TEST METHOD:

The samples were allowed to condition at standard laboratory conditions of 72 ± 4°F and 50 ± 5% relative humidity for at least 40 hours prior to testing. Testing was done according to ASTM E 96-05, with notes of parameters and deviations. There is no technical difference between ASTM E96-00e01 as called out in EG356 and the test we performed using ASTM D96-05. The changes were in mainly in making SI units primary and English units secondary.

Test Method	Test Method Title	Parameters and Deviations from Method
ASTM E 96-05	Standard Test Methods for Water Vapor Transmission of Materials	Desiccant Method (Method A)

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CALIBRATED TEST EQUIPMENT:

Mitutoyo Calipers, model CD-8C, S# 0006565, ID MM160-068, calibrated 7/07
Sartorius Balance, model 1384, ID MM170-004, calibrated 7/07

UNCALIBRATED TEST EQUIPMENT:

Stanley razor knife

TEST DATA:

Sample Description: Sure Cavity 10mm	WVT, grains/hr•ft ²	Permeance (Perms), grains/hr•ft ² •in. Hg	Permeability, perm•inch
specimen 1	4.24	10.35	4.51
specimen 2	3.80	9.28	4.13
specimen 3	4.44	10.86	4.94
specimen 4	4.09	9.99	4.28
Average	4.14	10.12	4.47
Std. Deviation	0.27	0.66	0.35

Sample Description: Sure Cavity 3/16"	WVT, grains/hr•ft ²	Permeance (Perms), grains/hr•ft ² •in. Hg	Permeability, perm•inch
specimen 1	9.82	24.01	9.00
specimen 2	9.54	23.32	8.74
specimen 3	9.75	23.82	8.93
specimen 4	9.27	22.66	8.50
Average	9.60	23.45	8.79
Std. Deviation	0.25	0.60	0.23

REMARKS:

The test materials not consumed in testing will be retained for 14 days from the date of this report and then discarded unless we receive written notification requesting otherwise.

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