

# **Stork Twin City Testing Corporation**

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Geotechnical G Failure Analysis F Materials Testing V

Construction Materials Product Evaluation Welder Qualification

#### TESTING OF SURE CAVITY

Prepared for: Masonry Technology Incorporated Attn: Mr. Steve Samec 24235 Electric Street P.O. Box 214 Cresco, IA 52136-9635

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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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Stork Twin City Testing Corporation is an operating unit of Stork Materials

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## TESTING OF SURE CAVITY

## **INTRODUCTION:**

This report presents the results of ultraviolet light exposure tests conducted on samples of Sure Cavity. The testing was authorized by Mr. Steve Samec of Masonry Technology Incorporated on April 17, 2007. The testing and data analysis were completed on June 21, 2007.

The scope of our work was limited to conducting ultraviolet light exposure tests on the samples submitted and reporting the results.

### **SUMMARY OF RESULTS:**

**QUV** Weathering

UV Exposure	Observations
3 weeks, 210 Light Hours (May 10,2007)	No peeling, chipping, cracking, flaking, pitting, crazing, erosion or other deleterious effects were observed under a 5x magnification.
5 weeks, 350 Light Hours (May 24,2007)	No peeling, chipping, cracking, flaking, pitting, crazing, erosion or other deleterious effects were observed under a 5x magnification.
7 weeks, 490 Light Hours (June 7,2007)	No peeling, chipping, cracking, flaking, pitting, crazing, erosion or other deleterious effects were observed under a 5x magnification.
9 weeks, 630 Light Hours (June 21,2007)	No peeling, chipping, cracking, flaking, pitting, crazing, erosion or other deleterious effects were observed under a 5x magnification.

### **SAMPLE IDENTIFICATION:**

The samples were identified as Sure Cavity.

### TEST METHODS:

The samples were allowed to condition at standard laboratory conditions of  $72 \pm 4^{\circ}$ F and  $50 \pm 5^{\circ}$  relative humidity for at least 40 hours prior to testing. Testing was done according to ICC Standards detailed below, with notes of deviations.

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#### TEST METHODS Continued:

Test Method	Test Method Title	Deviations from Method
ICC AC48	ACCEPTANCE CRITERIA FOR ROOF	Section 4.8 Ultraviolet Exposure:
	UNDERLAYMENT FOR USE IN	Except no Tensile Strength or
	SEVERE CLIMATE AREAS	Peel Adhesion tests were run.
ICC EG356	EVALUATION GUIDELINE FOR A	Section 3.1.6 Accelerated
	MOISTURE DRAINAGE SYSTEM USED	weathering
	WITH EXTERIOR WALL VENEERS	

#### CALIBRATED TEST EQUIPMENT:

Q-Panel QUV, S/N 91-7398-43, ID MM190-009, calibrated 8/06

### **UNCALIBRATED TEST EQUIPMENT:**

Assorted hand tools Stanley razor knife General hardware Magna-Lite 5 power illuminated magnifier

### TEST DATA:

#### **QUV** Weathering

UV Exposure	Observations
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#### REMARKS:

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

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