PRI Construction Materials Technologies LLC

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Laboratory Test Report

Report for:	Kelly Allore Dow Silicones Corporation 2200 West Salzburg Road Midland, Michigan 48686
Product Name:	DOWSIL™ 995 Silicone Structural Sealant
Project No.:	DSC-003-02-01
Dates Tested:	Jan. 9, 2019 - Mar. 20, 2019
Test Methods:	SWR Institute Product Validation Performance Profile for Liquid Sealants ASTM C 719
Results Summary:	Stated class of movement is validated at ±50% on the following substrates: Duranar - unprimed Glass - unprimed Anodized Aluminum - unprimed

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Purpose:

Evaluate the liquid sealant for compliance with the Sealant, Waterproofing and Restoration Institute's Product Validation Program for liquid sealants.

The product is a single-component, neutral-cure, elastomeric silicone sealant.

Test Methods:

Testing was completed in accordance with the Sealant, Waterproofing and Restoration Institute's Product Validation Program for Liquid Sealants. Test methods utilized were ASTM C 719-14: *Standard Test Method for Adhesion and Cohesion of Elastomeric Joint Sealants Under Cyclic Movement (Hockman Cycle).*

Testing was completed for movement capability of +/-50% on unprimed anodized aluminum, and unprimed glass. Specimens were prepared with 5/8" open cell backer rod in lieu of Teflon spacer.

Sampling:

The following materials were received by PRI:

Product	Source	Date	Sampling
DOWSIL™ 995 Silicone Structural Sealant	Tampa, FL	Nov. 29, 2018	PRI-CMT

The sample for testing was procured by PRI-CMT through local, reputable distribution. The batch number was utilized to confirm that the sample was within its shelf life.

Results:

Property	Test Method	Result	Requirement
Performance Properties Profile for Liquid Sealants			
Adhesion and Cohesion Under Cyclic Movement (in^2) Movement Class +/- 50% 3 specimens; 1/2" x 1/2" x 2"; Cure 14d @ 73.4±3.6°F and 50±5%RH followed by; Cure 7d @122±3.6°F and 95.5±5% RH followed by; Test Cond. 7d Water Immersion @ 73.4±3.6°F; Test Cond. 7d Compressed @ 158°F; Test 10 cycles at 73.4±3.6°F; Rate 1/8 in/h; Test 10 cycles with compression at 158±3.6°F followed by; Extension at -15±3°F; Rate 1/8"/h	ASTM C 719		
Aggregate loss in bond and cohesion Duranar substrate unprimed		0	≤ 1-1/2
Aggregate loss in bond and cohesion Glass substrate unprimed		0	≤ 1-1/2
Aggregate loss in bond and cohesion Anodized aluminum substrate unprimed		0	≤ 1-1/2

Notes: None

Statement of Attestation:

The properties of the material tested were determined in accordance with and conform to the requirements set forth in the Sealant, Waterproofing and Restoration Institute's Product Validation Program for Liquid Sealants. The laboratory test results presented in this report are representative of the material supplied.

Signed: 

Brent Barbeau
Manager

Date: 06/14/2019

Report Issue History:

Issue #	Date	Pages	Revision Description (if applicable)
Original	04/19/2019	2	NA
1	06/14/2019	2	Product name clarification

END OF REPORT

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