



# 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™ 902 RCS Joint Sealant

**Project No.:** DCC-516-02-01

**Dates Tested:** August 10, 2018 – October 18, 2018

**Test Methods:** ASTM C 719

**Results Summary:** Class of movement +100% / -50% on the following substrates:  
Concrete unprimed

**Purpose:** Evaluate the liquid sealant for joint movement capability in accordance with ASTM C 719: *Standard Test Method for Adhesion and Cohesion of Elastomeric Joint Sealants Under Cyclic Movement (Hockman Cycle)*.

The product is a rapid-cure, self-leveling, two-part silicone rubber sealant.

**Test Methods:** Testing was completed in accordance with the ASTM C 719-14 (2019): *Standard Test Method for Adhesion and Cohesion of Elastomeric Joint Sealants Under Cyclic Movement (Hockman Cycle)*.

Testing was completed for movement capability of +100% / -50% on unprimed concrete.

Test samples were modified from the prescribed configuration to include a 5/8" backer rod utilized in the lower portion of the constructed joint. This replaced the prescribed Teflon spacer and served to create a typical joint configuration.

**Sampling:** The following materials were received by PRI:

<u>Product</u>	<u>Source</u>	<u>Date</u>	<u>Sampling</u>
DOWSIL™ 902 RCS Joint Sealant	Shepherdsville, KY	January 31, 2019	Dow Silicones Corporation

### DCC-516-02-01

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**Results:**

Property	Test Method	Result	Requirement
<b>Performance Properties Profile for Liquid Sealants</b>			
Adhesion and Cohesion Under Cyclic Movement (in <sup>2</sup> ) Movement Class 100/50: +100% / -50% 3 specimens; 1/2" x 1/2" x 2"; 5/8" backer rod at 0.5" depth Cure 14d @ 73.4±3.6°F and 50±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 Large aggregate concrete unprimed		0	≤ 1-1/2

Notes: None

**Statement of Attestation:**

The properties of the material tested were determined in accordance with ASTM C 719-14 (2019): *Standard Test Method for Adhesion and Cohesion of Elastomeric Joint Sealants Under Cyclic Movement (Hockman Cycle)* as modified herein. The laboratory test results presented in this report are representative of the material supplied.

**Signed:**

  
 \_\_\_\_\_  
 Jason Simmons  
 Director

**Date:**

\_\_\_\_\_ January 31, 2019 \_\_\_\_\_

**Report Issue History:**

Issue #	Date	Pages	Revision Description (if applicable)
Original	01/31/2019	2	NA

**END OF REPORT**

DCC-516-02-01

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