CONSTRUCTION MATERIALS

TECHNOLOGIES

LABORATORY TEST RESULTS

Report for: Hilti North America
5400 S 122nd E Avenue
Tulsa, OK 74146

Attention: Chad Stroike

Product Name: Hilti CFS-SP SIL Firestop Silicone Joint Spray	**Manufacturer:** Hilti North America
Date Received: August 25, 2015	**Sampling:** Hilti North America
PRI-CMT Project No.: HLTI-004-02-01	**Dates Tested:** Sept. 1, 2015 – Sept. 14, 2015.

Purpose: Determine the resistance to wind driven rain of *Hilti North America's* Hilti CFS-SP SIL Firestop Silicone Joint Spray.

Test Methods: Testing for resistance to wind driven rain was conducted in accordance with ASTM D 6904-03(2013): *Standard Practice for Resistance to Wind Driven Rain for Exterior Coatings Applied on Masonry.*

One set of test specimens was constructed by roller applying 2mm of the product over the face of medium density (ASTM C 90) concrete masonry units (CMU). The specimens were cured at standard laboratory conditions of 73.4±3.6°F & 50±10%RH for 150minutes and tested in accordance with ASTM D 6904-03(2013): *Standard Practice for Resistance to Wind Driven Rain for Exterior Coatings Applied on Masonry.*

A separate set of test specimens was prepared in accordance with instructions from Hilti North America. Briefly, a four inch wide joint was constructed between two concrete substrates and filled with mineral wool insulation. The joined specimen was coated by the manufactured product in one coat at the specified wet film thickness (2mm) and allowed to cure at standard laboratory conditions of 73.4±3.6°F & 50±10%RH for 160 minutes and tested in accordance with ASTM D 6904-03(2013): *Standard Practice for Resistance to Wind Driven Rain for Exterior Coatings Applied on Masonry.*

Product Sampling: Samples for testing were provided by Hilti North America and received by PRI-CMT on August 25, 2015.

PRI Construction Materials Technologies LLC 6408 Badger Drive Tampa, FL 33610 Tel: 813-621-5777 Fax: 813-621-5840 e-mail: materialstesting@pricmt.com WebSite: http://www.pricmt.com

Results of Testing:

ASTM D 6904

Test Sample	Test Method	Property	Results[1]		Requirement
			Avg	StdDev	
Hilti CFS-SP SIL Firestop Silicone Joint Spray 3 specimens; 16" long x 8" wide x 2mm wet; Applied over 4" wide joint stuffed with mineral wool Cured 160min; Test for 24h @ 4.9in$_{w.c.}$ with spray 60gal/hr Visual Inspection for water leaks and moisture gain	ASTM D 6904	Resistance to Wind Driven Rain *[Pass/Fail]*	Pass	NA	Report
		Weight Gain (lb)	-0.08	0.02	Report
Hilti CFS-SP SIL Firestop Silicone Joint Spray 3 specimens; 16" long x 8" wide x 2mm wet; Cured 150min; Test for 24h @ 4.9in$_{w.c.}$ with spray 60gal/hr Visual Inspection for water leaks and moisture gain	ASTM D 6904	Resistance to Wind Driven Rain *[Pass/Fail]*	Pass	NA	Report
		Weight Gain (lb)	-0.11	0.02	Report

Notes: 1 – Measured weight *loss* of all specimens is likely an observation of continued cure of coating or of wash off occulting. Wash off is unlikely as discoloration was not observed in water contained for testing.

Statement of Attestation:

Resistance to wind driven rain was determined in accordance with ASTM D 6904-03(2013): *Standard Practice for Resistance to Wind Driven Rain for Exterior Coatings Applied on Masonry,* as modified by the description herein. The laboratory test results presented in this report are representative of the material supplied.

Signed: _____

Jason Simmons
Director

Date: September 23, 2015

Report Issue History:

Issue #	Date	Pages	Revision Description (if applicable)
Original	09/18/2015	3	NA
Revision	09/23/2015	4	Editorial, added photos to appendix

APPENDIX ATTACHED

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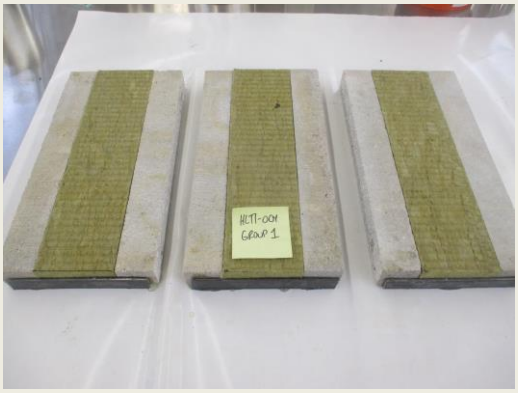
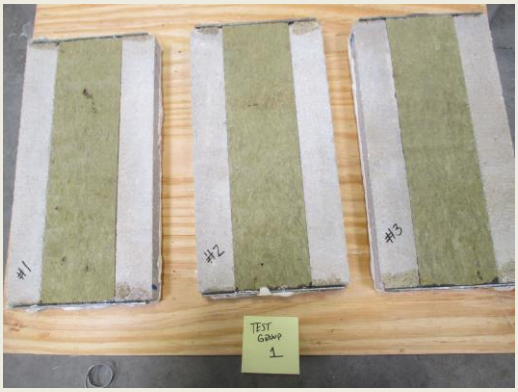
Appendix A: Representative Photographs

	
Group 1 substrate prior to application	**Group 1 substrate post application**
	
Group 1 back of specimen post testing	**Group 1 front of specimen post testing**

	
Group 2 substrate prior to application	**Group 2 substrate post application**
	
Group 2 back of specimen post testing	**Group 2 front of specimen post testing**

END OF REPORT