



CONSTRUCTION MATERIALS

TECHNOLOGIES

LABORATORY TEST RESULTS

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

Attention: Chad Stroike

Product Name:	CFS-SP SIL	Manufacturer:	Hilti North America
Date Received:	December 27, 2013	Sampling:	Hilti North America
PRI-CMT Project No.:	Hilti-003-02-01	Dates Tested:	February 14, 2014

Purpose: Determine the tack free time, resistance to washout and resistance to wind driven rain of *Hilti North America's CFS-SP SIL*.

Test Methods: Testing for tack free time was completed in accordance with ASTM C 679-03(2009): *Standard Test Method for Tack-Free Time of Elastomeric Sealants*.

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*, modified per manufacturer request as follows:

- Test specimen construction (described below).
- Weight gain of the tested specimen was not applicable.
- Air Pressure differential was maintained at 1.2in_{w.c.} instead of 5in_{w.c.}
- Testing was conducted for a period of 2 hour instead of 24 hours.

Test specimens were 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 and allowed to cure at standard laboratory conditions of 73.4±3.6°F & 50±10%RH for 160 minutes. The specimen was evaluated for the effect of the water spray (washout) and the presence of moisture within the substrate.

Product Sampling: Samples for testing were provided by Hilti North America and received by PRI-CMT on December 27, 2013.

HLTI-003-02-03 PRI-CMT Accreditations: IAS TL-189; Miami-Dade 11-0429.05; Florida TST5878; Los Angeles TA24819; CRRC
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Results of Testing:

ASTM C 679

Property	Test Method	Result	Requirement
Tack Free Time (min) 73.4±3.6°F & 50±5%RH	ASTM C 679	55	Report ¹

Notes: 1- The lifted film was clean and contained no thin layer of plasticizers.


ASTM D 6904 (modified)

Test Sample	Test Method	Property	Results	Requirement
CFS-CP SIL 1 specimen; 16" l x 8" w x 2mm wet film; Cured 160min; Test for 2h @ 1.2in _{w.c.} ; spray between 60-70gal/h Visual Inspection for washout and water penetration	ASTM D 6904 (modified)	Water Penetration	Pass	Report
		Presence of Washout	Pass	Report

Notes: None

Statement of Attestation:

Tack free time, washout and resistance to wind driven rain were determined in accordance with the methods as described and modified herein. The laboratory test results presented in this report are representative of the material supplied.

Signed: 
 Daniel Arentz
 Laboratory Technician

Signed: 
 Jason Simmons
 Director

Date: March 4, 2014

Date: March 4, 2014

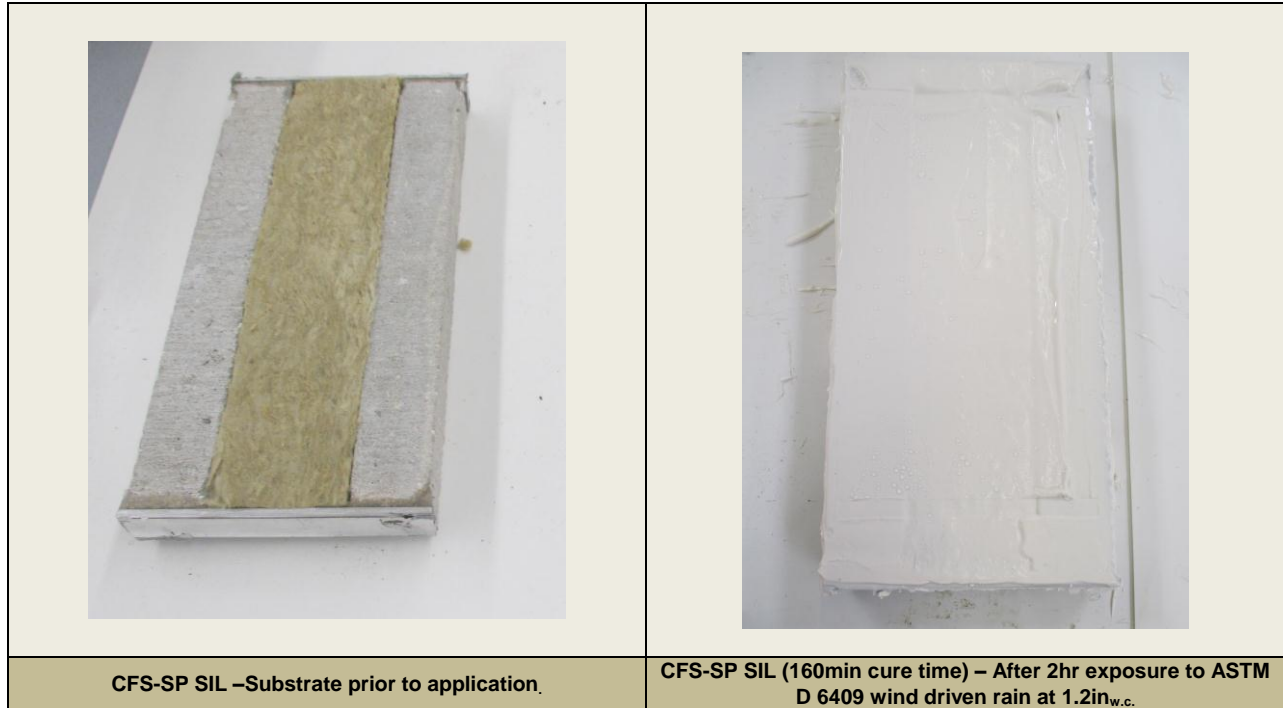
Report Issue History:

Issue #	Date	Pages	Revision Description (if applicable)
Original	03/04/2014	3	NA

APPENDIX ATTACHED

HLTI-003-02-03 PRI-CMT Accreditations: IAS TL-189; Miami-Dade 11-0429.05; Florida TST5878; Los Angeles TA24819; CRRC
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Appendix A: Representative Photographs



END OF REPORT

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