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

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


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 150 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.

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.
Results of Testing:

ASTM D 6904

<table>
<thead>
<tr>
<th>Test Sample</th>
<th>Test Method</th>
<th>Property</th>
<th>Results</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hilti CFS-SP SIL Firestop Silicone Joint Spray 3 specimens; 16&quot; long x 8&quot; wide x 2mm wet; Applied over 4&quot; 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</td>
<td>ASTM D 6904</td>
<td>Resistance to Wind Driven Rain [Pass/Fail]</td>
<td>Pass</td>
<td>NA</td>
</tr>
<tr>
<td>Hilti CFS-SP SIL Firestop Silicone Joint Spray 3 specimens; 16&quot; long x 8&quot; 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</td>
<td>ASTM D 6904</td>
<td>Weight Gain (lb)</td>
<td>-0.08</td>
<td>0.02</td>
</tr>
</tbody>
</table>

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

Date: September 23, 2015

Report Issue History:

<table>
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<tr>
<th>Issue #</th>
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<tr>
<td>Original</td>
<td>09/18/2015</td>
<td>3</td>
<td>NA</td>
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<tr>
<td>Revision</td>
<td>09/23/2015</td>
<td>4</td>
<td>Editorial, added photos to appendix</td>
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APPENDIX ATTACHED
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
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