The quick cure.

Firestop silicone joint spray CFS-SP SIL

The fast curing properties of the new Hilti Firestop silicone joint spray CFS-SP SIL allow contractors to reduce delays caused by weather, while improving their productivity and reducing the risk of water damage.

This low slump formulation combines superior sprayability and coverage characteristics which also limits runs in vertical surface applications.

Outperform and Outlast

- A fast curing spray coating with a short tack-free time
- Tested in accordance with ASTM D6904 (modified) proves rain and wash out resistance within a few hours
- Both sprayable and brushable
- Quick and easy installation with Graco Ultra Max II 595 and 695 Sprayers can help save you time and money
- Contains no halogens, solvents or asbestos
- One 5 gal bucket will yield approx. 245 lf. (@4" gap)
- Mold and mildew resistance rating 1(ASTM G21)

Applications

- Curtain wall/edge of slab

Technical Data	CFS-SP SIL
Density	Approx. 11 lb/gal
Color	Off-white
Application temperature	40°F to 104°F (4°C to 40°C)
Temperature resistance	-30°F to 250°F (-35°C to 120°C)
Consistency	Sprayable liquid
Chemical basis	Neutral cross-linking silicone
Rain resistance (ASTM D6904)	Passed (2 hour rain resisitance after 160 min. cure time)
Tack free time (ASTM C679)	55 min at 73°F, 50% humidity
Curing tme	Approx. 5 hours at 73°F, 50% humidity for 2 mm depth
Surface burning characteristics (ASTM E84)	Flame spread: 0 Smoke development: 50
Sound transmission classification (ASTM E90)	61 (per tested construction type)
Elongation at break	>200%
VOC	72 g/l
Shelf life	12 months
Tested in accordance: • ASTM E2307 • ASTM E 84 • ASTM E90	

Order Information

Description	Qty	Item No.
Firestop silicone joint spray CFS-SP SIL	1	2095007
Firestop silicone joint spray CFS-SP SIL Pallet (18 pails)	18	3517095
Pallet CFS-SP SIL w/ Graco Ultra Max II 595 Sprayer	18	3517096
Pallet CFS-SP SIL w/ Graco Ultra Max II 695 Sprayer	18	3517097
Graco Ultra Max II 595 Sprayer	1	3509241
Graco Ultra Max II 695 Sprayer	1	3509242

CERTIFICATE OF COMPLIANCE

Certificate Number	20140513-R13240
Report Reference	R13240
Issue Date	2014-May-13

Issued to: Hilti Construction Chemicals, Div of Hilti Inc.
5400 S 122nd East Ave
Tulsa, OK 74146

This is to certify that representative samples of Fill, Void or Cavity Materials
CFS-SP SIL Firestop Joint Spray for use in Perimeter Fire Containment Systems currently described in the UL Fire Resistance Directory.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/ASTM E2307 (2010), "Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus."

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Classification Mark should be considered as being covered by UL's Classification and Follow-Up Service.

The UL Classification Mark includes: UL in a circle: with the word "CLASSIFIED" (as shown); a control number (may be alphanumeric) assigned by UL; a statement to indicate the extent of UL's evaluation of the product; and the product category name (product identity) as indicated in the appropriate UL Directory.

Look for the UL Classification Mark on the product.

William R. Carney, Director, North American Certification Programs

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

DEVIN D GATES
SUBMITTED BY

078413-001
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

078413
SPECIFICATION SECTION / PARAGRAPH

MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

CRITICAL

ITEM BEING SUBMITTED (check only one)

- ○ Shop Drawings
- ○ Samples (_____ copies)
- ○ LEED Submittal
- ○ Certification / Qualifications
- ○ Record Documents
- ○ Product Data
- ○ Coordination Drawing
- ○ Calculations
- ○ Schedules
- ○ O&M Manuals
- ○ Other _____

ITEM BEING SUBMITTED FOR (check only one)

- ◉ Action
- ○ Information Only
- ○ Record

REMARKS OR DEVIATIONS

Resubmitted with installer qualifications. Products have been selected by qualified installer. LEED documentation provided. Entire submittal package provided again as this is what was "selected" by installer.

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

DEVIN D GATES — 02/12/17
REVIEWED BY — DATE

To be completed by Reviewer

07 8413-001 REV002
CANNON DESIGN SUBMITTAL NUMBER

2/13/17
RECEIVED DATE

- ○ A. No Exceptions Taken
  No further review of submittal is required.
- ◉ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ○ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ○ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ○ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ○ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ○ See attached sheet(s) for additional comments

See markups.

Provide Identification per specification 078413, 3.4.

Kelvin Patel — Digitally signed by Kelvin Patel DN: C=US, E=kpatel@cannondesign.com, O=Cannon Design, OU=Architect, CN=Kelvin Patel Date: 2017.02.22 18:27:43-06'00' — 2/22/17
REVIEWED BY — DATE

CANNONDESIGN

Previously rejected submittal. Same product data to be used.

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME

ADDRESS

NUMBER

OWNER

ARCHITECT / ENGINEER

SUBMITTED BY

CONTRACTOR / CM SUBMITTAL NO. | CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE | SPECIFICATION SECTION / PARAGRAPH

MANUFACTURER / SUPPLIER | ITEM / PRODUCT ID

REQUIRED DATE | PRIORITY | CRITICAL

ITEM BEING SUBMITTED (check only one)

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- ◯ Samples (_____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◯ Record Documents
- ◯ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ O&M Manuals
- ◯ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◯ Action ◯ Information Only ◯ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

REVIEWED BY | DATE

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER

RECEIVED DATE

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- ◯ B. Make Corrections Noted
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A/E COMMENTS ◯ See attached sheet(s) for additional comments

REVIEWED BY | DATE