



10 Danforth Street
Portland, ME 04101
Ph : (207) 773-3625

Submittal

Job: 1332
Press Hotel
390 Congress Street
Portland, ME 04101

Spec Section No: 07840
Submittal No: 003
Revision No: 0
Sent Date: 3/25/2014

Spec Section Title: Firestopping
Submittal Title: GWB Scope Fireproofing

Contractor:
Wright-Ryan Construction, Inc.
Alyssa Parker

SUBMITTAL REVIEW:
Reviewed for general conformance with the design concept and contract documents. Markings or comments shall not be construed as relieving the Subcontractor from compliance with the project plans and specifications, nor departure therefrom. The Subcontractor remains responsible for details and accuracy, for conforming and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of assembly and for performing the work in a safe manner.
WRIGHT-RYAN CONSTRUCTION, INC
BY: RRC DATE: 3-25-14

Architect (Primary):
Archetype PA
Kevin Gough

Architect's Stamp

Engineer's Stamp

PROJECT PRESS HOTEL

PROJECT #	SHOP DWG #
	<u>101 065</u>

REVIEWED NO EXCEPTIONS TAKEN
 NOT REVIEWED MAKE CORRECTIONS NOTED
 REJECTED REVISE AND RESUBMIT

Date 2 APRIL 14 by [Signature]

Corrections or comments made on the shop drawings during this review do not relieve the contractor from compliance with the drawings and specifications. This review is only for general conformance with the design concept of the project and general conformance with the information given in the contract documents. The contractor is responsible for confirming and correlating all quantities and dimensions for selecting fabrication processes and techniques of construction, for coordinating his work with that of all other trades and for performing his work in a safe and satisfactory manner.

ARCHETYPE, PA.
 48 UNION WHARF
 PORTLAND, ME 04101
 TELE. (207) 772-6022

LETTER OF TRANSMITTAL

To: Wright-Ryan
10 Danforth Street
Portland, ME 04101
Phone 207-773-3625, Fax 207-7735173

Date: 03/25/14

Attn: Alyssa Parker & Rodney Collard

Re: Submittals - Press Hotel

We are sending you:

Attached
 Under Separate Cover

Pricing Request
 Submittals
 Change Order
 Contract

Blueprints
 Specs
 Shop Drawings
 Calculations

COPIES

1


Description

07840 - Firestopping - CP 606 Hilti

These are Transmitted:

For Approval
 For Your Use
 As Requested
 For Review and Comment

Approved as Submitted
 Approved as Noted
 Returned For Correction
 Please Sign and Return



Brian Kelly
Estimator/Project Manager

CP 606 Flexible Firestop Sealant

Product description

- An acrylic based firestop sealant that provides movement capability in fire rated joints and seals through-penetrations applications

Product features

- Silicone free
- Halogen, asbestos and solvent free
- Paintable
- Tested up to 33% movement with 500 cycles in accordance to UL 2079 and ASTM 1966
- Smoke and fume resistant
- Easy clean up with water
- Single component systems available
- Meets LEED™ requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings

Areas of application

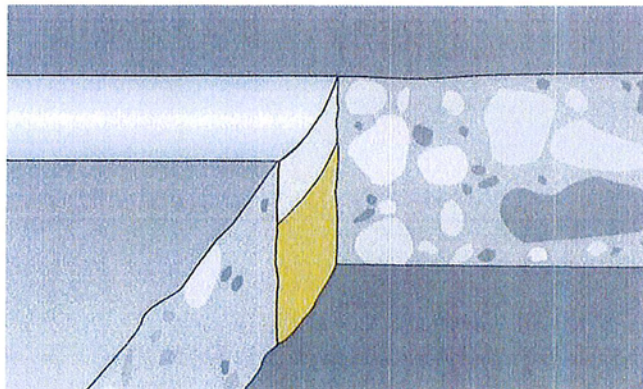
- Sealing construction/expansion joints
- Top-of-wall joints
- Metal pipes
- Cable bundles
- HVAC penetrations

For use with

- Various base materials such as masonry, concrete, gypsum, etc.
- Wall and floor assemblies rated up to 3 hours

Examples

- Where a gypsum wall assembly meets the underside of a metal or concrete deck
- Sealing expansion joints to impede the passage of fire, smoke and toxic fumes
- Sealing around HVAC penetrations through fire-rated assemblies



Technical Data*	CP 606
Chemical basis	Acrylic based firestop sealant
Color	Available in red, white and gray
Application temperature	40°F to 104°F (5°C to 40°C)
Skin-forming time	Approx. 15 min
Curing time	Approx. 3 mm / 3 days
Average volume shrinkage (ASTM C1241)	22.2%
Movement capability	Approx. 10%
Temperature resistance	-22°F to 176°F (-30°C to 80°C)
Surface burning characteristics (ASTM E 84-96)	Flame Spread: 10 Smoke Development: 0
Sound transmission classification (ASTM E 90-99)	56 (Relates to specific construction)

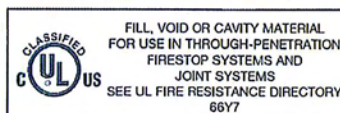
Approvals

- California State Fire Marshal - No. 1452-1200:112
No. 1451-1200:121
No. 4485-1200:132
- City of New York - MEA 100-99-M

Tested in accordance with

- UL 2079
- ASTM E 814
- ASTM E 84
- UL 1479
- ASTM E 1966

*At 73°F (23°C) and 50% relative humidity



Installation instructions for CP 606

Notice

- Before handling, read Material Safety Data Sheet and product label for safe usage and health information.
- Instructions below are general guidelines — always refer to the applicable drawing in the UL Fire Resistance Directory or Hilti Firestop Systems Guide for complete installation information
- The use of backing material is recommended to control the sealant depth and help ensure assembly seal is complete

Opening

1. Clean the opening. Surfaces to which CP 606 will be applied should be cleaned of loose debris, dirt, oil, wax and grease. The surface should be moisture and frost free.

Application of firestop

2. Insert fill of mineral wool or backer (as required).
3. Apply firestop over backer.
4. Smooth firestop sealant with a trowel before the skin forms. Once cured, CP 606 can only be removed mechanically.
5. For maintenance reasons, a penetration seal can be

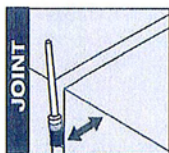
permanently marked with an identification plate and fastened in a visible position next to the seal.

Not for use

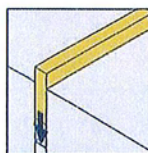
- On areas immersed in water

Storage

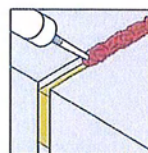
- Store only in the original packaging in a location protected from moisture at a temperature of 40°F to 77°F (5°C to 25°C)
- Observe expiration date on package



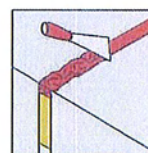
1. Clean opening



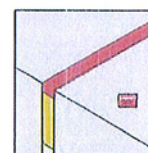
2. Insert backing material compressed per UL System



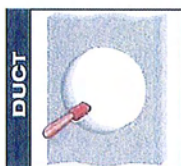
3. Apply CP 606



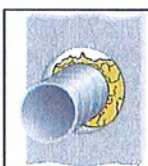
4. Smooth CP 606



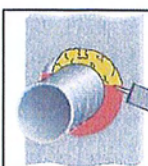
5. Fasten identification plate (if required)



1. Clean opening



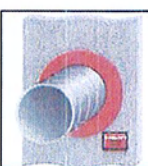
2. Insert backing material



3. Apply CP 606



4. Smooth CP 606



5. Fasten identification plate (if required)

Hilti. Outperform. Outlast.



MATERIAL SAFETY DATA SHEET

Product name: CP 606 Flexible Firestop Sealant
Description: Fire resistant sealant
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)

INGREDIENTS AND EXPOSURE LIMITS

Ingredients:	CAS Number:	TLV:	PEL:	STEL:
Calcium carbonate	01317-65-3	NE	5 (R) mg/m ³	NE
Polybutene	09003-29-6	NE	NE	NE
Ethylene glycol	00107-21-1	C: 100 mg/m ³ (A)	NE	NA
Pigments:		NE	NE	NE
• Titanium dioxide	13463-67-7 ¹	10 mg/m ³	15 (T) mg/m ³	NE
• Red iron oxide	1309-37-1 ²	5 (R) mg/m ³	10 (fume) mg/m ³	NE
• Black Iron oxide	1317-61-9 ³	NE	NE	NE
Isononyl phthalate	28553-12-0	NE	NE	NE

¹ CP 606 white; ² CP 606 red, ^{1,3} CP 606 grey

Abbreviations: PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. STEL = Short Term Exposure Limit. NE = None Established. (R) = Respirable dust (T) = Total dust (A) = Aerosol

PHYSICAL DATA

Appearance:	White, red, or grey paste.	Odor:	Negligible.
Boiling Point:	Not applicable.	Vapor Pressure:	Not applicable.
Melting Point:	Not determined.	VOC Content:	71.0 g/L
Evaporation Rate:	Not applicable.	Solubility in Water:	Miscible.
pH:	Not determined.	Specific Gravity:	1.55

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not applicable.	Flammable Limits:	Not applicable.
Fire / Explosion Hazards:	None known.		
Extinguishing Media:	As appropriate for surrounding fire; material itself does not burn.		
Special Fire Fighting Procedures:	As appropriate for surrounding fire.		

REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerization:	Will not occur.
Incompatibility:	Strong oxidizing agents.		
Hazardous Decomposition Products:	Not applicable.		
Conditions to Avoid:	Avoid temperature extremes that could shorten the shelf life of this product. See handling and storage requirements.		

HEALTH HAZARD DATA

Known Hazards:	Acute: Product is slightly alkaline; minor irritation is possible. Chronic: None known.		
Signs and Symptoms of Exposure:	Eyes - Can cause slight irritation but injury is unlikely. Skin - Can cause irritation with some individuals. Inhalation - No effects expected. Ingestion - Not considered to be a route of exposure. Effects of ingestion have not been determined.		
Routes of Exposure:	Inhalation, Dermal.		

Medical Conditions
Aggravated by Exposure:

Eye, skin, and respiratory conditions.

Carcinogenicity:

No ingredients are classified as a carcinogen by IARC, NTP or OSHA.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:

Flush with plenty of water. Contact a Physician if symptoms occur.

Skin:

Wash with soap and water.

Inhalation:

Move victim to fresh air. Call a Physician if symptoms occur.

Ingestion:

Seek medical attention. Do not induce vomiting unless directed by a Physician. Never give anything by mouth to an unconscious person.

Other:

Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:

General (natural or mechanically induced fresh air movements).

Eye Protection:

Safety glasses with side shields.

Skin Protection:

Impermeable gloves are recommended.

Respiratory Protection:

Not normally required. Where ventilation is inadequate to control vapors, use a NIOSH-approved respirator with organic vapor cartridges. Never enter a confined space without an appropriate air supplied respirator.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing
Precautions:

Store in a cool dry area. Keep from freezing. Shelf life is one year from date of manufacture if stored between 40° and 77° F (5 - 25° C). For industrial use only. Keep out of reach of children. Keep container sealed when not in use to prevent curing of the product. Avoid contact with the eyes and skin. Practice good hygiene; i.e. wash after using and before eating or smoking.

Spill Procedures:

Allow to cure and place in a container for proper disposal in accordance with all applicable local, state, or federal requirements. Not regulated as a hazardous waste according to federal EPA definitions.

REGULATORY INFORMATION

Hazard Communication:

This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

HMIS Codes:

Health 1, Flammability 0, Reactivity 0, PPE B (Gloves, Glasses)

DOT Shipping Name:

Not regulated.

IATA / ICAO Shipping Name:

Not regulated.

TSCA Inventory Status:

Chemical components listed on TSCA inventory.

SARA Title III, Section 313:

This product contains approximately 3% ethylene glycol which is subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).

EPA Waste Code(s):

Not regulated by EPA as a hazardous waste.

Waste Disposal Methods:

Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

CONTACTS

Customer Service:

1 800 879 8000

Technical Service:

1 800 879 8000

Health / Safety:

1 800 879 6000

Jerry Metcalf (x6704)

Emergency # (Chem-Trec):

1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)

The information and recommendations contained herein are based upon data believed to be correct; however, no guarantee or warranty of any kind expressed or implied is made with respect to the information provided.

Certificate of Compliance

Certificate Number 20060214-R13240B
Report Reference 2006 February 14
Issue Date 2006 February 14

Page 1 of 1



**Underwriters
Laboratories Inc.**

Issued to: **Hilti, Inc.**
5400 S 122ND East Ave
Tulsa, OK 74146 USA


*This is to certify that
representative samples of* **Fill, Void or Cavity Materials
CP606**

*Have been investigated by Underwriters Laboratories Inc.® in
accordance with the Standard(s) indicated on this Certificate.*


Standard(s) for Safety: ANSI/UL 1479, ANSI/UL 2079, CAN/ULC-S115-05

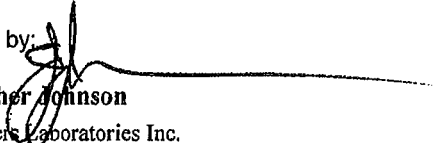
Additional Information: CP606 Sealant for use in Joint Systems and CP606 Sealant for use in Through-Penetration Firestop Systems as currently described in the UL Fire Resistance Directory.

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 symbol:  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

Issued by:

Mona Couloute
Underwriters Laboratories Inc.

Reviewed by:

Christopher Johnson
Underwriters Laboratories Inc.