



CP 606 Flexible Firestop Sealant

Product description

- An acrylic based firestop sealant that provides movement capability in fire rated joint applications

Areas of application

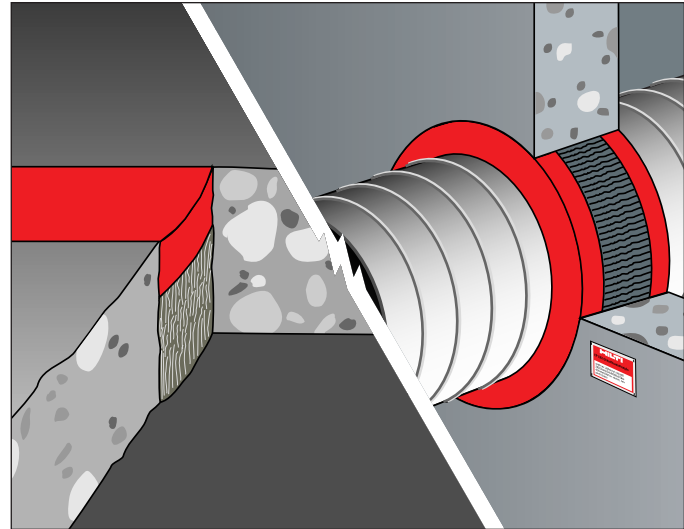
- Sealing construction/expansion joints
- Top-of-wall joints
- Metal pipes
- Cable bundles
- HVAC penetrations*

For use with

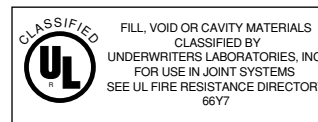
- Various base materials such as masonry, concrete, metal, etc.
- Wall and floor assemblies rated up to 3 hours

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



Internationally tested and approved



System advantages/Customer benefits

- Paintable
- Meets 500 cycle requirements (ASTM E 1399 & UL 2079)
- Smoke, fume and water resistant
- Easy clean up with water

CP 606 Flexible Firestop Sealant

Description	Color	Package Contents	Volume	Item No.
CP 606, tube	red	10.5oz (310 ml)	18 in ³	00337191
CP 606, foil	white	(Qty 20) 20.2oz (600 ml)	36 in ³	00314272
CP 606, foil	red	(Qty 20) 20.2oz (600 ml)	36 in ³	00337192
CP 606, pail	red	5 gallons (19 liter)	1155 in ³	00337193
CB 200 PI-300/310 ml Dispenser				00055205
600 ml Foil Dispenser				00024669



* For metal ducts with damper, consult damper manufacturer.



CP 606 Flexible Firestop Sealant

Product description

- An acrylic based firestop sealant that provides movement capability in fire rated joint applications

Product features

- Silicone free
- Halogen, asbestos and solvent free
- UV-resistant

Tested in accordance with

- UL 2079
- ASTM E 1399
- UL 1479
- ASTM E 814
- ASTM E 84

Technical Data

CP 606 Flexible Firestop Sealant

(at 73°F (23°C) and 50% relative air humidity)

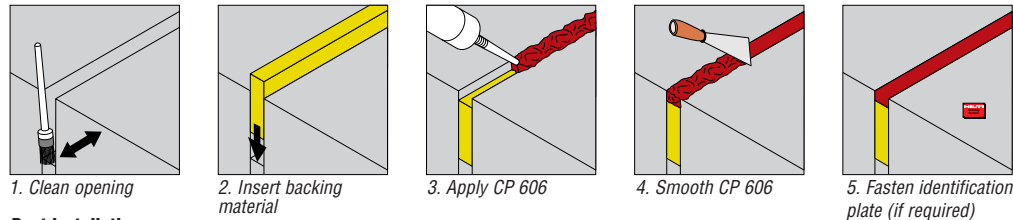
Density:	Approx. 1.5 g/cm ³
Color:	Red and White
Application temperature:	40°F (5°C) to 77°F (25°C)
Skin-forming time:	Approx. 15 min.
Curing rate:	Approx. 1/16" in 3 days
Volume shrinkage:	Less than 20%
Movement capability:	Approx. 10%
Temperature resistance:	-40°F (-40°C) to 176°F (80°C)
Surface burning characteristics: (ASTM E84-96)	Flame spread: 0 Smoke development: 5
Sound transmission classification: (ASTM E 90-97)	50

Approvals

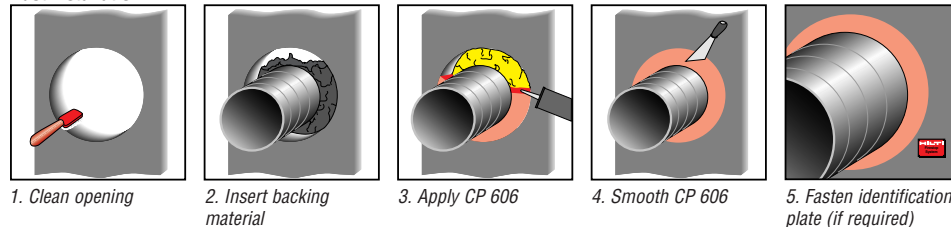
ICBO Evaluation Service, Inc.	Report No. ER-5614
California State Fire Marshal	Listing no. 1452-1200:112
City of New York	MEA 100-99-M

Installation instructions for CP 606

Joint installation



Duct installation



Opening

1. Clean the opening. Joint sides and surfaces to which CP 606 will be applied must be sound, dry and free from dust, oil and grease.

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 could be permanently marked with an identification plate. In such a case mark the identification plate and fasten it in a visible position next to the seal.

Notice about approvals

- When using Hilti CP 606 Flexible Firestop Sealant, check that the joint or pipe application has been sealed according to the applicable drawing in the UL Fire Resistance Directory or Hilti Firestop Manual.

Not to be used...

- On areas immersed in water

Safety precautions

- Keep out of reach of children
- Read the Material Safety Data Sheet
- Eyes and hands must be suitably protected
- Avoid contact with eyes/skin
- Only use in well ventilated areas

Storage

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



MATERIAL SAFETY DATA SHEET

Product identifier: CP 606 Flexible Firestop Sealant
Product use: Fire resistant acrylic based sealant for use in fire rated joint applications
Supplier: Hilti (Canada) Limited, 6790 Century Avenue, Suite #300, Mississauga, Ontario L5N 2V8
Originator: Hilti, Inc., P. O. Box 21148, Tulsa, Oklahoma, USA 74121
Emergency number: Chem-Trec: 1 800 424 9300

INGREDIENTS INFORMATION

Ingredient	CAS Number	% (wt.)	LC ₅₀ , (rat)	LD ₅₀ (rat)	TLV	STEL
Calcium carbonate	01317-65-3	50 - 55	N/Av	N/Av	N/Av	N/E
Water	07732-18-5	15 - 20	N/Av	N/Av	N/E	N/E
Isononyl phthalate	28553-12-0	10 - 15	N/Av	N/Av	N/E	N/E
Polybutene	09003-29-6	01 - 05	N/Av	N/Av	N/E	N/E
Ethylene glycol	00107-21-1	01 - 05	N/Av	4700 mg/kg	N/E	N/A
Pigment	01309-37-1	01 - 05	N/Av	N/Av	N/Av	N/E

PHYSICAL PROPERTIES

Appearance / Physical state:	Red paste.	Odour:	Mild odour.
Specific gravity (at 20°C):	1.55	Odour threshold:	Not determined.
Vapour pressure (at 20°C):	Not applicable.	Vapour density:	Not applicable.
Evaporation rate:	Not determined.	Boiling point:	Not determined.
Freezing point:	Not determined.	pH:	Not determined.
Coefficient of H₂O / oil distrib:	Not determined.	Solubility in water:	Miscible.

FIRE AND EXPLOSION DATA

Flash point / Method:	Nonflammable.	Flammable limits:	Not applicable.
Conditions of flammability:	Not applicable.	Auto-ignition temperature:	Not applicable.
Means of extinction:	Not applicable. As appropriate for surrounding fire (e.g. Water, CO ₂ , Dry Chemical, Foam).		
Special fire fighting procedures:	None known. A NIOSH-approved self-contained breathing apparatus (SCBA) should be worn when fighting fires involving chemicals.		
Hazardous combustion products:	Not determined.		
Sensitivity to mechanical impact / static discharge:	Not susceptible to mechanical impact or to a static discharge.		

REACTIVITY DATA

Stability:	Stable.	Incompatible materials:	Strong oxidizing agents.
Conditions of reactivity:	None known.		
Hazardous decomposition products:	Not determined.		

TOXICOLOGICAL PROPERTIES

Routes of exposure:	<input checked="" type="checkbox"/> Skin contact <input type="checkbox"/> Skin absorption <input checked="" type="checkbox"/> Eye contact <input type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion
Exposure limits:	See "Ingredients" section above.
Acute effects of exposure:	Eyes – Slightly alkaline material; can cause irritation but injury is unlikely. Skin - Can cause irritation with some individuals. Inhalation - No effects expected. Ingestion - Not a likely route of exposure. Effects of ingestion have not been determined.
Chronic effects of exposure:	None known.
Synergistic materials:	None known.

FIRST AID MEASURES

Eyes:	Flush immediately with plenty of water. Call a physician if symptoms occur.
Skin:	Wash with soap and water. Seek medical attention if any effects persist.
Inhalation:	No ill effects expected. Should discomfort occur, move to fresh air.
Ingestion:	Do not induce vomiting unless large amounts are ingested. If conscious, give plenty of water to drink. <u>Never</u> give anything by mouth to an unconscious person. Contact a physician immediately.
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

Engineering controls:	General (natural or mechanically induced fresh air movements).
Eye protection:	As appropriate for the work area.
Skin protection:	Cloth gloves are suitable.
Respiratory protection:	None normally required.
Other:	No additional measures are normally required.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling procedures and equipment:	For industrial use only. 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.
Storage requirements:	Keep out of reach of children. 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).
Spill, leak or release:	Immediately wipe away spilled material before it hardens. Place in a container for proper disposal in accordance with all applicable local, state, or federal requirements.
Waste disposal:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, provincial, and federal safety, health and environmental regulations.
Special shipping instructions:	Avoid temperature extremes. Keep from freezing.

REGULATORY INFORMATION

WHMIS classification:	D2B
HMIS codes:	Health 0, Flammability 0, Reactivity 0, PPE A
TDG shipping name:	Not regulated.

PREPARATION INFORMATION / CONTACTS

Prepared by:	Hilti, Inc., Tulsa, OK USA	Emergency phone number:	1 800 424 9300
Customer Service:	Hilti (Canada) Limited, Mississauga, Ontario; 1 800 363 4458		
Health / Safety contacts:	Hilti, Inc., Tulsa, OK USA; 1 800 879 6000 Steve Gerrard (x6309), Jerry Metcalf (x6704)		
Abbreviations used:	N/E = None Established. N/A = Not Applicable. N/Av = Not Available. H = Hours. HMIS: Hazardous Materials Identification System		

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.



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Research Triangle Park,
North Carolina • (919) 549-1400
Camas, Washington • (360) 817-5500

CERTIFICATE OF COMPLIANCE

CERTIFICATE NUMBER: 240798 - R16355
ISSUE DATE: July 24, 1998

Issued to: Hilti Construction Chemicals Inc.
5400 S. 122nd East Avenue
Tulsa, OK 74146 USA

Report Reference: R16355, August 11, 1998

This is to Certify that
representative samples of: Flexible Firestop Sealant, designated CP 606

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

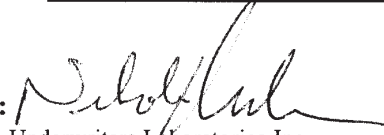
Standard(s) for Safety: UL 1479, Fire Tests of Through-Penetration
Firestops;
UL 2079, Tests for Fire Resistance of Building
Joint Systems.


Additional Information: *This material is one part sealant and is intended to be used as a
Classified Fill, Void or Cavity Material in various Through-Penetration
Firestop Systems as specified in Volume 2 of UL's Fire Resistance
Directory.*

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

The UL Classification Marking includes: the name "Underwriters Laboratories Inc." the word "Classified"; 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 MARKING ON THE PRODUCT

Engineer: 
Underwriters Laboratories Inc.
Nikola Momcilovic

Review Engineer: 
Underwriters Laboratories Inc.
A. M. Ramirez