

**CP 618
Firestop Putty Stick**

Product description

- An intumescent, non-hardening, firestop putty for cable and pipe penetrations

Product features

- Contains no volatile solvents or asbestos
- Easy to re-penetrate

Areas of application

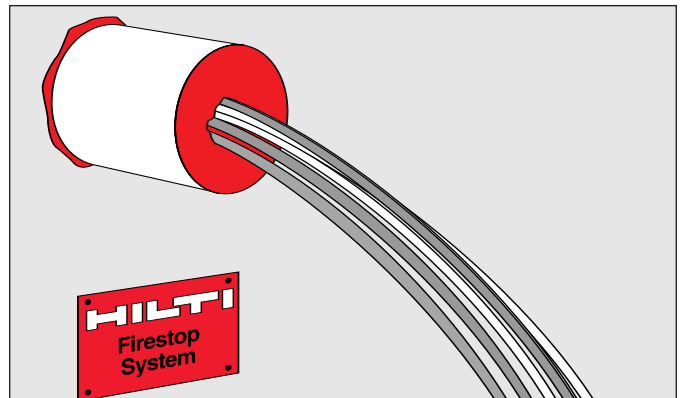
- Single or bundled cables
- Non-combustible pipe
- Blank openings
- Reusable
- Easy to add or subtract cables
- Fast installation

For use with

- Concrete, masonry and gypsum wall assemblies
- Wall and floor assemblies rated up to 3 hours

Examples

- Where telecommunication and data lines penetrate gypsum wall assemblies
- Where steel conduit and EMT penetrate concrete and block wall assemblies
- Where blank openings exist in concrete and block wall assemblies



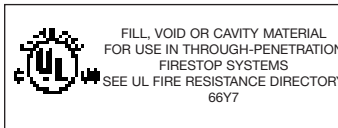
CP 618 Technical Data

Dimensions	18 in ³
Consistency	Moldable putty
Color	Red
Application temperature	40°F to 95°F (5°C to 35°C)
Cure	Non-curing
Density	Approx. 1.48 g/cm ³
Intumescent activation	Approx. 220°F to 250°F (104°C to 121°C)
Surface burning characteristics (ASTM E84-96)	Flame Spread: 5 Smoke development: 5
Sound transmission classification (ASTM E 90-97)	49 (Relates to specific construction)

Approvals

California State Fire Marshal	Listing No. 4485-1200:111
City of New York	MEA-98-99-M
Tested in accordance with	<ul style="list-style-type: none"> • UL 1479 • ASTM E 814 • ASTM E 84

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



Installation instructions for CP 618

Notice

- Before handling, read Material Safety DataSheet 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

Opening

1. Clean the opening: Surfaces to which CP 618 will be applied should be cleaned of loose debris, dirt, oil, moisture, frost and wax.

Application of firestop putty

2. Install the prescribed backing material, if required.

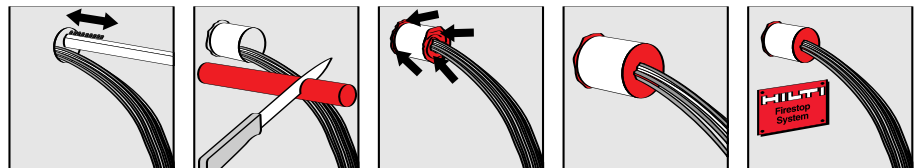
3. Install CP 618 Firestop Putty to the required depth, making sure that the putty contacts all surfaces to provide the greatest adhesion.
4. Smooth CP 618 putty.
5. For maintenance reasons, a penetration seal can be permanently marked with an identification plate and fastened in a visible position next to the seal.
6. Re-installation (not shown): Remove and re-install CP 618 Firestop Putty as needed.

Not for use

- In areas exposed to water

Storage

- Store only in the original packaging at temperatures 40°F to 104°F (5°C to 40°C)



1. Clean opening

2. Slice CP 618 to be packed into opening from stick (optional sleeve)

3. Pack in CP 618

4. Smooth CP 618

5. Fasten installation plate (if required)

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 Revision No.: 005
 Revision Date: 3/1/05
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Product name: CP 617 Firestop Putty Pad; CP 618 Firestop Putty Stick;
 CP 619T Firestop Putty Roll

Description: Firestopping putty

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:
Triazine triamine phosphate	41583-09-9	NE	NE	NE
Calcium borate	12007-56-6	NE	NE	NE
Polyphosphoric acid	68333-79-9	NE	NE	NE
Isodecyldiphenyl ester	29761-21-5	NE	NE	NE

Abbreviations: PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value.
 STEL = Short Term Exposure Limit. NE = None Established. NA = Not Applicable.

PHYSICAL DATA

Appearance:	Rust colored putty	Odor:	Negligible
Vapor Density: (air = 1)	Not applicable	Vapor Pressure:	Not applicable
Boiling Point:	Not applicable	VOC Content:	5.2 g/l — CP 617, CP 619T 14.5 g/l — CP 618
Evaporation Rate:	Not applicable	Solubility in Water:	Slightly soluble
Specific Gravity:	1.48	pH:	Not determined

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not applicable	Flammable Limits:	Not applicable
Extinguishing Media:	Water, CO ₂ , Dry Chemical, Foam		
Special Fire Fighting Procedures:	A NIOSH-approved self-contained breathing apparatus (SCBA) should be worn when fighting fires involving chemical products.		
Unusual Fire and Explosion Hazards:	Fire conditions will activate product causing it to intumesce.		

REACTIVITY DATA

Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Incompatibility:	Strong acids, bases and oxidizing agents.
Decomposition Products:	Thermal decomposition can yield oxides of carbon and nitrogen.
Conditions to Avoid:	Avoid temperature extremes that could shorten the shelf-life or affect product performance; i.e. below freezing and above 100° F. (See handling and storage requirements).

HEALTH HAZARD DATA

Known Hazards:	Irritation of the eyes and skin is possible.
Signs and Symptoms of Exposure:	Eyes — Can cause irritation and watering but injury is unlikely. Skin — Can cause irritation. Inhalation — No effects expected. Not considered to be a route of exposure. Ingestion — Can cause nausea and vomiting. Considered to have a low acute oral toxicity.
Routes of Exposure:	Contact
Carcinogenicity:	No ingredients are classified as a carcinogen by IARC, NTP or OSHA.
Medical Conditions Aggravated by Exposure:	None known.

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EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Immediately flush 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 effects expected.
Ingestion:	If conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed by a physician. 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

Ventilation:	General (natural or mechanically induced fresh air movements).
Eye Protection:	Not required, however, safety glasses should be worn in most industrial settings.
Skin Protection:	Cloth gloves are suitable; impermeable (neoprene or rubber) gloves recommended.
Respiratory Protection:	Not required.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Store in a cool, dry area. Keep from freezing. For industrial use only. Keep out of reach of children. Avoid prolonged or repeated contact with the skin. Do not rub the eyes after contact with the hands. Practice good hygiene; i.e. wash after using and before eating or smoking.
Spill Procedures:	No special requirements.

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
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 does not contain any ingredients that are 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-R13240H
Report Reference 2006 February 14
Issue Date 2006 February 14

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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**
CP 618

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


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

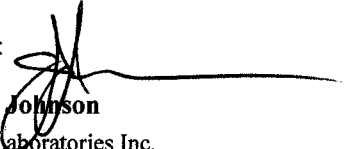
Additional Information: CP 618 Firestop Putty Stick for use in Through-Penetration Firestop Systems as currently described in the UL Fire Resistance Directory.

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.