

## CP 617, CP 617L & CP 617XL Firestop Putty Pad

### Product description

- A moldable firestop putty designed to help protect electrical outlet boxes

### Product features

- Applied by hand
- Fast installation

### Areas of application

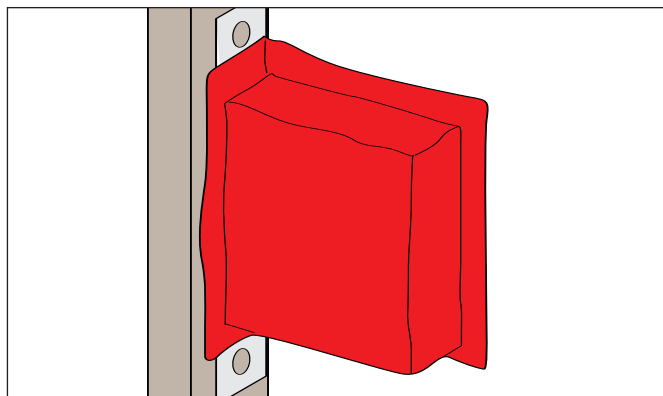
- Protection of electrical outlet boxes

### For use with

- Gypsum wall assemblies with wood or metal studs

### Examples

- Where two outlets are within a single stud/cavity or within 24" (not back to back)



### CP 617 Technical Data

Dimensions	CP 617: 6" x 7" x 1/8" (15 x 18 x 0.3 cm) CP 617L: 7" x 7" x 1/8" (18 x 18 x 0.3 cm) CP 617XL: 9" x 9" x 1/8" (23 x 23 x 0.3 cm)
Consistency	Moldable putty
Color	Red
Application temperature	40°F (5°C) to 95°F (35°C)
Storage temperature	40°F (5°C) to 104°F (40°C)
Cure	Non-curing
Density	1.48 g/cm <sup>3</sup>
Intumescent activation	Approx. 220°F to 250°F (104°C to 121°C)
Volatile solvents	None
Asbestos fibers	None
Surface burning characteristics (ASTM E 84-96)	Flame Spread: 5 Smoke development: 5
Sound transmission classification (ASTM E 90-97)	55 (Relates to specific construction)
<b>Approvals</b>	
California State Fire Marshal	Listing No. 4485-1200:129
City of New York	MEA-102-99-M
Tested in accordance with	• UL 263 • ASTM E 84
At 73°F (23°C) and 50% relative humidity	



WALL OPENING PROTECTIVE MATERIAL  
FIRE RESISTANCE CLASSIFICATION  
SEE PRODUCT CATEGORY IN  
UL FIRE RESISTANCE DIRECTORY  
66Y7



## Installation instructions for CP 617

### 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

### Application of firestop putty

1. Remove label from one side of pad. For a 1 to 2 hour fire rating, one CP 617 pad is required. Exposed side of pad is placed against box.

2. Adhere pad to side of the box, overlapping the stud and all edges of the box. When drywall is installed: fix pad into gap between electrical box and gypsum board slightly overlapping the inner wall board surface. When drywall will be installed later: overlap front edge of electrical box so that CP 617 will be compressed around edges of box as gypsum board is installed.
3. Reshape CP 617 to fit around conduit or cables.
4. Press CP 617 to all sides of application. Trim excess at corners and apply to conduit fittings connected to the box.

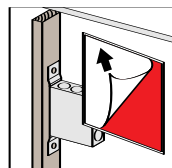
5. Remove other side of label. To help prevent passage of cold smoke, CP 617 may optionally be placed into inside of electrical conduit fittings.

### Not for use

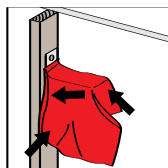
- In areas exposed to water

### Storage

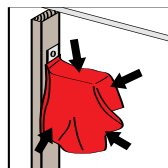
- Store only in the original packaging in a location at temperatures 40°F (5°C) to 104°F (40°C)



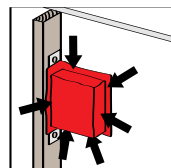
1. Remove label from one side of CP 617



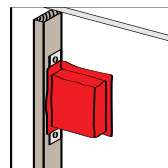
2. Adhere CP 617 to application



3. Reshape CP 617 to fit around box



4. Press CP 617 to all sides of application



5. Remove other side of label



**Hilti Firestop**  
Saving Lives  
through innovation  
and education

**Hilti. Outperform. Outlast.**

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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
Isodecylidiphenyl 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

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

## FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point:</b>	Not applicable	<b>Flammable Limits:</b>	Not applicable
<b>Extinguishing Media:</b>	Water, CO2, Dry Chemical, Foam		
<b>Special Fire Fighting Procedures:</b>	A NIOSH-approved self-contained breathing apparatus (SCBA) should be worn when fighting fires involving chemical products.		
<b>Unusual Fire and Explosion Hazards:</b>	Fire conditions will activate product causing it to intumesce.		

## REACTIVITY DATA

<b>Stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Incompatibility:</b>	Strong acids, bases and oxidizing agents.
<b>Decomposition Products:</b>	Thermal decomposition can yield oxides of carbon and nitrogen.
<b>Conditions to Avoid:</b>	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

<b>Known Hazards:</b>	Irritation of the eyes and skin is possible.
<b>Signs and Symptoms of Exposure:</b>	<b>Eyes</b> — Can cause irritation and watering but injury is unlikely. <b>Skin</b> — Can cause irritation. <b>Inhalation</b> — No effects expected. Not considered to be a route of exposure. <b>Ingestion</b> — Can cause nausea and vomiting. Considered to have a low acute oral toxicity.
<b>Routes of Exposure:</b>	Contact
<b>Carcinogenicity:</b>	No ingredients are classified as a carcinogen by IARC, NTP or OSHA.
<b>Medical Conditions Aggravated by Exposure:</b>	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-R13240G**  
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 617**

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

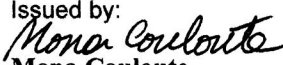
*Standard(s) for Safety:* **ANSI/UL 1479, ANSI/UL 263, CAN/ULC-S115-05**


*Additional Information:* **CP 617 Firestop Putty Pad for use in Through-Penetration Firestop Systems  
and Wall Opening Protective Materials 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.