

## CP 658T Firestop Plug

### Product description

- Ready-to-use intumescent flexible plug based on a two component polyurethane foam

### Product features

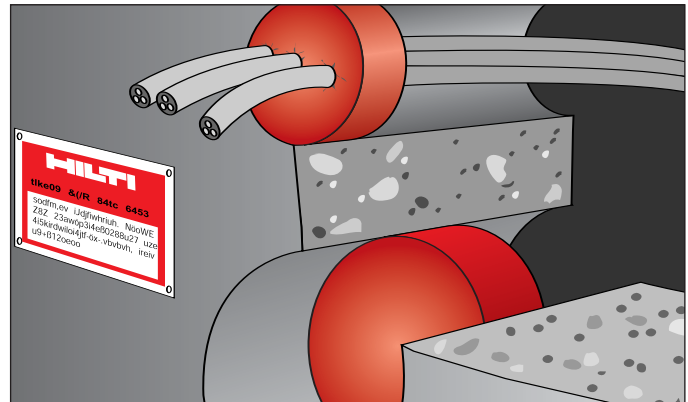
- Fast and easy installation — no special tools required, helps reduce installation time and costs
- Immediately functional after installation
- Suitable for laying new cables later
- Versatile in use (temporary or permanent protection)
- Smoke resistant
- Virtually dust and fiber free
- Halogen and solvent free
- Can be painted

### Areas of application

- Walls and floors
- Temporary or permanent sealing of cables — single or bundled cables

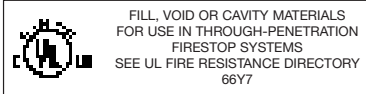
### Examples

- Dust and fiber free rooms and places where electrical installations are frequently changed such as computer centers, hospitals and laboratories
- New buildings in the construction phase and during renovation
- Office buildings, production bays, warehouses



### CP 658T Technical Data

Density	Approx. 0.25 g/cm <sup>3</sup>
Color	Red
Application temperature	40°F to 104°F (5°C to 40°C)
Temperature resistance	5°F to 140°F (-15°C to 60°C)
Intumescent activation	Approx. 572°F (300°C)
Expansion ratio (unrestricted)	Approx. 1:3
<b>Approvals</b>	
California State Fire Marshal City of New York	Listing No: 4485-1200:130 MEA 48-04-M
Surface burning characteristics (ASTM E 84-96)	Flame Spread Index:0 Smoke Development Index: 25
Tested in accordance with	<ul style="list-style-type: none"> <li>• UL 1479</li> <li>• ASTM E 814</li> <li>• ASTM E 84</li> </ul>
(At 73°F (23°C) and 50% relative humidity)	



## Installation instructions for CP 658T

### 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 CP 658T will be in contact with, should be cleaned of loose debris, dirt, oil, moisture, frost and wax.

### Application of firestop plug

- 2a. If there are no penetrations, install CP 658T within opening and bead with Hilti CP 618 Putty Stick where firestop plug interfaces with inside of sleeve (when required).
- 2b. If there are penetrations, cut CP 658T to fit around cables. Insert firestop plug into sleeve. Optional: seal cables by forcing CP 618 into interstices of cables.

### Re-installing cables

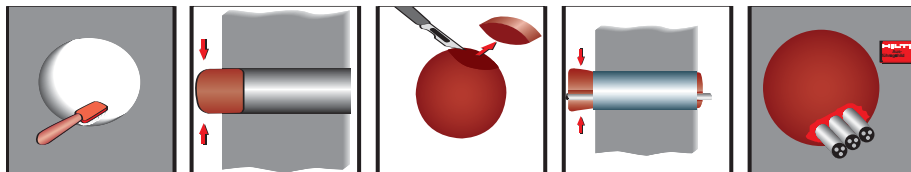
- Remove firestop plug from opening
- Install the penetrant and re-install the firestop plug in compliance with the appropriate UL system.
- If single cables are installed, a hole can be drilled through the firestop plug and a cable passed through.

### Not for use

- In wet rooms or outdoors exposed to the weather or UV radiation

### Storage

- Store only in the original packaging in a location protected from moisture and direct sunlight



1. Clean opening

2. Blank opening: Install plug (sleeved opening) and CP618 Putty Stick

3. With cables: Cut plug to fit around cables

4. Install plug around cables (optional: CP618 Putty Stick forced into interstices of cables)

5. Fasten installation plate in place (if required)



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

**Hilti. Outperform. Outlast.**

## MATERIAL SAFETY DATA SHEET

**Product name:** FS 657 Fire Block; CP 658T Firestop Plug  
**Description:** Intumescent polyurethane foam  
**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

These products are regarded as "articles" by definition under OSHA Regulation 29 CFR 1910.1200 (c). FS 657/CP 658T can best be described as a sponge-like polyurethane materials, which expand when exposed to excessive heat/fire conditions. The physical form of the products preclude exposure to workers under normal conditions of use or any foreseeable emergency.

## PHYSICAL DATA

<b>Appearance:</b>	Rust colored foam block	<b>Odor:</b>	None
<b>Vapor Density: (air = 1)</b>	Not applicable	<b>Vapor Pressure:</b>	Not applicable
<b>Ignition Point:</b>	420° C / 788° F	<b>VOC Content:</b>	3.9 g/l
<b>Evaporation Rate:</b>	Not applicable	<b>Solubility in Water:</b>	Not soluble
<b>Specific Gravity:</b>	0.25 g/cm <sup>3</sup>	<b>pH:</b>	Not applicable

## FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point:</b>	Not applicable	<b>Flammable Limits:</b>	Not applicable
<b>Extinguishing Media:</b>	Not applicable		
<b>Special Fire Fighting Procedures:</b>	Not applicable		
<b>Unusual Fire and Explosion Hazards:</b>	None known		

## REACTIVITY DATA

<b>Stability:</b>	Stable.	<b>Hazardous Polymerization:</b>	Will not occur.
<b>Incompatibility:</b>	None known; see special handling and storage instructions		
<b>Decomposition Products:</b>	If heated to decomposition, can yield CO <sub>x</sub> , NO <sub>x</sub> , HCN, HCl, and/or HF		
<b>Conditions to Avoid:</b>	See handling and storage requirements.		

## HEALTH HAZARD DATA

<b>Known Hazards:</b>	None known	<b>Routes of Exposure:</b>	None expected
<b>Signs and Symptoms of Exposure:</b>	None expected		
<b>Carcinogenicity:</b>	No ingredients are classified as a carcinogen by IARC, NTP or OSHA.		
<b>Medical Conditions Aggravated by Exposure:</b>	None known		

## EMERGENCY AND FIRST AID PROCEDURES

<b>Skin:</b>	No effects expected	<b>Inhalation:</b>	Not a route of exposure
<b>Eyes:</b>	No effects expected.		
<b>Ingestion:</b>	Not a likely route of exposure		

## CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

<b>Ventilation:</b>	General (natural or mechanically induced fresh air movements).
<b>Eye Protection:</b>	As appropriate for the work area or the work being done.
<b>Skin Protection:</b>	Not required.
<b>Respiratory Protection:</b>	Not applicable.

## PRECAUTIONS FOR SAFE HANDLING AND USE

<b>Handling and Storing Precautions:</b>	For industrial use only. Keep out of reach of children. Observe good hygiene practices; i.e. wash after using and before eating or smoking. Store in a cool dry area out of direct sunlight. Storage above 140 F may degrade product.
<b>Spill Procedures:</b>	Not applicable

## REGULATORY INFORMATION

<b>Hazard Communication:</b>	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard. 29 CFR 1910.1200.
<b>HMIS Codes:</b>	Health 0, Flammability 0, Reactivity 0, PPE A
<b>DOT Shipping Name:</b>	Not regulated.
<b>IATA / ICAO Shipping Name:</b>	Not regulated.
<b>TSCA Inventory Status:</b>	Chemical components listed on TSCA inventory.
<b>SARA Title III, Section 313:</b>	This product is classified as an "article" and is not subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
<b>EPA Waste Code(s):</b>	Not regulated by EPA as a hazardous waste
<b>Waste Disposal Methods:</b>	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

## CONTACTS

<b>Customer Service:</b>	1 800 879 8000	<b>Technical Service:</b>	1 800 879 8000
<b>Health / Safety:</b>	1 800 879 6000	Jerry Metcalf	(x6704)
<b>Emergency # (Chem-Trec):</b>	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-R13240F  
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**  
FS 657, CP 658T

*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:* FS 657 Fire Block for use in Through-Penetration Firestop Systems and CP 658T Firestop Plug 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.