HILTI

Firestop Wrap Strip
(CP 648-E)

Product description
- An intumescent, flexible firestop wrap strip for plastic and insulated pipe penetrations

Product features
- Highly Intumescent
- Long length avoids waste
- Can be continuously wrapped
- Cost effective
- Quick and easy closure without tools
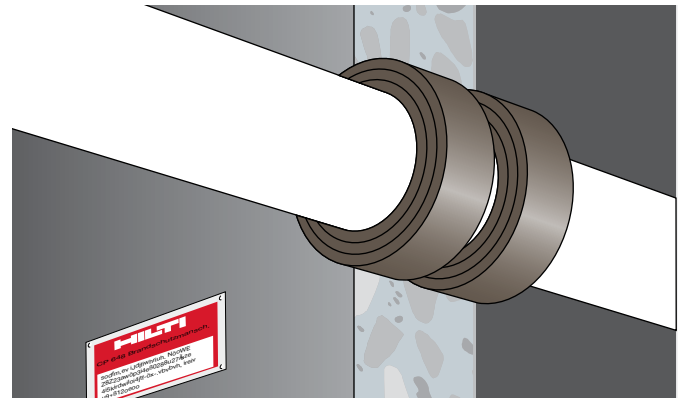- Ideal for very tight installations

Areas of application
- Firestopping combustible pipe penetrations
- Difficult applications where space is limited
- Penetrations through concrete over metal deck
- Plastic and insulated penetrations using PVC, CPVC, ABS, FRPP and PEX

For use with
- Concrete, masonry, wood floor and gypsum wall assemblies
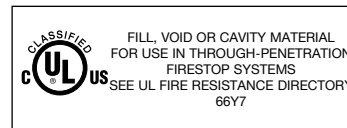- Wall and floor assemblies rated up to 4 hours

Examples
- Waste water pipes
- Fresh water pipes
- Decking penetrations

Technical Data*	CP 648-E
Density	Approx. 1.35 g/cm³
Dimensions (approximate)	3/16" x 1" x 33 ft or 3/16" x 1-3/4" x 33 ft
Color	Black with foil backing
Temperature resistance	–40°F to 212°F (–40°C to 100°C)
Intumescent activation	Approx. 320°F (160°C)
Expansion ratio (unrestricted)	1:40

Tested in accordance with
- UL 1479   • ASTM E 814   • ASTM G21

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

UL CLASSIFIED
c(UL)us
FILL, VOID OR CAVITY MATERIAL FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS
SEE UL FIRE RESISTANCE DIRECTORY 66Y7

FM APPROVED

FBC SYSTEM COMPATIBLE
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Installation instructions for CP 648-E

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

Opening
1. Clean the plastic or insulated pipe penetration. Expansion of the intumescent material during a fire closes the plastic or insulated pipe penetration. Very dirty pipes (ie: with remains of mortar) may lead to a delay in this closing action. Soiled plastic pipes or insulated pipe penetrations should, therefore, be cleaned in the area where the CP 648-E Firestop Wrap Strip is to be installed.
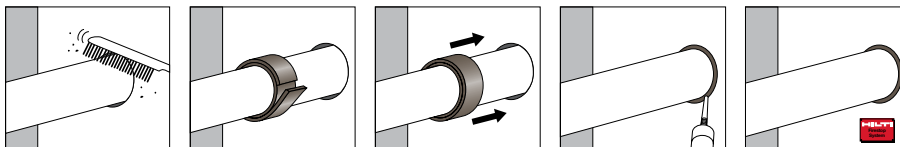
Application of firestop system
2. Tightly wrap the required number of strips continuously around the penetrant, and hold in place with tape.
3. Push the Hilti Wrap Strip into the opening until it is flush with the substrate surface unless otherwise required by the UL system. It may be required by the UL system to clamp, wire or use a Hilti Retaining Collar to secure the wrap strip in place for some applications.
4. If the UL system requires a cold smoke seal, then apply the proper amount of Hilti FS-ONE sealant in the opening over the wrap strip.
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
- In highly corrosive surroundings
- With unapproved retaining collars, anchors/fasteners
- Outdoors

Storage
- Store only in the original packaging in a location protected from moisture at temperatures between 23°F and 86°F (–5°C and 30°C).

1. Clean penetration

2. Wrap strips around pipe the specified number of times

3. Push Wrap Strips into hole

4. Seal penetration against smoke with FS-ONE

5. Fasten installation plate (If required)

Hilti Firestop
Saving lives through innovation and education

Hilti. Outperform. Outlast.