

Fire Foam (CP 620)

Product description

- Innovative firestopping solution for complex applications

Product features

- Up to 6 times expansion of can yield
- Repenetrable
- Cures within 60 seconds
- Easy handling for difficult to reach applications
- Paintable
- Virtually impervious to smoke
- Mold resistant
- No additional materials required
- Excellent water vapor resistance
- Meets LEED™ requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings

Areas of application

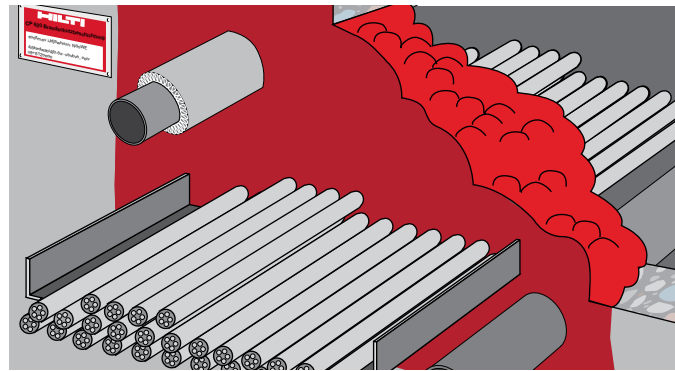
- Sealing small to medium size openings
- Cables and cable trays
- Non-combustible pipes
- Combustible pipes when used in conjunction with Hilti Wrap Strips
- Where cables, steel, copper, cast iron or plastic pipes all pass through the same opening

For use with floor and wall assemblies

- Concrete, drywall and masonry

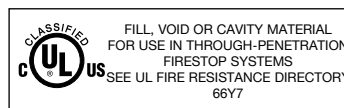
Examples

- Multiple penetrations
- Insulated metal pipes



Technical Data*	CP 620
Chemical basis	Two component polyurethane
Color	Red
Fire foam yield	Up to 110 in ³
Application temperature	Substrate: 32°F to 104°F (0°C to 40°C) Product: 50°F to 104°F (10°C to 40°C)
Curing time*	Non-tacky after Approx. 35 seconds Ready to cut after Approx. 1 minute
Thermal insulation (R-value)	2.8–3.0 per inch of thickness
Temperature resistance of cured foam	–22°F to 212°F (–30°C to 100°C)
Sound transmission classification (ASTM E90-97)	50 (Relates to specific construction)
Structure-borne sound insulation	Pipe/wall 30–50%
Surface burning characteristics (ASTM E84-01)	Flame spread: 0 Smoke development: 15
Tested in accordance with	• UL 1479 • ASTM E 814 • ASTM E 84 • ASTM G21

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



Installation instructions for CP 620

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

Application

1-4.

Prepare dispenser and cartridges as shown below. The Fire Foam from the first few strokes of the dispenser should be discarded until the Fire Foam in the mixer has a consistent red color.

5. Apply the CP 620 Fire Foam in the opening.

- Begin applying CP 620 Fire Foam at the back of the opening and work toward the front. Fill the opening completely with CP 620 Fire Foam.
- When dispensed slowly, the Fire Foam can be easily built up.
- When dispensed quickly, the consistency of the Fire Foam is more liquid allowing it to flow better between the cables. Note: The CP 620 Fire Foam becomes warm for a short time after application.

6. For maintenance reasons, the application can be permanently marked with an installation plate. Mark the installation plate and fasten it in a visible position next to the seal.

Re-installing cables or pipes

- Additional cables or pipes can be installed later without difficulty.
- Use a suitable tool to create an opening. Push the cable or pipe through and then seal the remaining opening carefully with CP 620 Fire Foam.

Notes

- The CP 620 Fire Foam can be cut back to no less than the minimum specified installation depth (see applicable UL systems for depths).

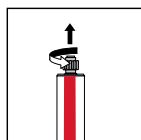
- Pieces of cured excess CP 620 Fire Foam which have been cut off can be laid in the next opening and fresh CP 620 Fire Foam can be applied around these.

Not for use

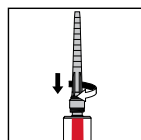
- Exposed to weather
- Exposed to UV

Storage

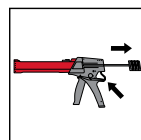
- Store only in the original packaging in a dry place at a temperature of 40°F to 77°F (5°C to 25°C). See technical data for application and substrate temperatures. Partly-used cartridges can be stored with mixer attached until they are required again. When re-using a partially used cartridge, simply attach a new mixer and dispense accordingly.



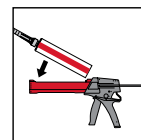
1. Hold the cartridge in the upright position and unscrew the cap.



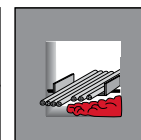
2. Fit the mixer and screw in a clockwise motion until secure.



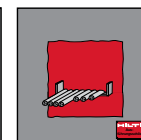
3. Release the dispenser and pull back the piston rod.



4. Insert the cartridge in the dispenser.



5. Apply CP 620 Fire Foam, building up a seal by working from the back towards the front.



6. Attach the installation plate (if required).



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through innovation
and education

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