CP 620
Firestop foam

Product description
An innovative expanding product offering firestopping solutions for complex applications in small to medium sized openings.
Providing fire ratings tested up to 3 hours.

Areas of application
- Sealing small-medium sized openings (wall and floor)
- Permanent fire seal for cables and cable trays
- Permanent fire seal for non combustible pipes
- Permanent fire seal for combustible pipes when used in conjunction with CP643N, CP644 or CP648
- Permanent fire seal where cables, steel, copper cast iron or plastic pipes pass through the same opening

*Tested BS 476 integrity 2hrs : UL 1479 3hrs

Product features
- Up to 6 times expansion
- Repenetrable
- Cures within 60 seconds

Base materials
Concrete, Masonry, Drywall

System advantages/customer benefits
- One solution for various applications.
- Easy handling for difficult-to-reach openings.
- No additional coating required.
- Paintable (common household paints).
- Impervious to smoke.
- Blast testing available
- Meets LEED™ requirements for indoor environmental quality credit

Approvals Internationally tested and approved

EN 1366-3

CLASSIFIED UL — FILL, VOID OR CAVITY MATERIALS CLASSIFIED BY UNDERWRITERS LABORATORIES, INC. FOR USE IN TROUGH-PENETRATION FIRESTOP SYSTEMS SEE UL FIRE RESISTANCE DIRECTORY 66Y7

LPCB

FM APPROVED — For Penetration Fire Stops. Consult the Factory Manual Research Corporation Approval Guide.

British Standard BS 476

Other tests include : UL 1479 : ASTM E 814 : ASTM E 84 : ASTM E 90-97 : DIN 4120 Part 9

Storage
- Store only in the original packaging in a location protected from moisture at a temperature of 5°C to 25°C.
- Observe expiry date on top of cartridge.

CP620 Firestop foam

Description	Ordering designation	Item no.
Firestop foam	**CP 620***	**370896**
Dispenser (carton)	**DSC (carton)**	**338720**
Dispenser (Hilti case)	**DSC (case)**	**339131**

* including mixer and extension pipe

Accessories

Mixer	**CP 620-M**	**338718**
Extension tube	**CP 620-Ext**	**338716**
Cleaner	**CFR 1**	**55019**

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Technical Data

	CP 620
Color	Red
Application Temperature Range	5°C - 40°C
Min. curing time ready to cut	2 min
Foam Yield	1.9 l
Tack free time (at 23°C / 50% r.H.)	35 s
Temperature resistance tem - perature range	-30°C - 100°C
Building material class	B1
Shelf life (@73°F/23°C and 50% relative humidity)	9 months

Application

1–4 Prepare dispenser and cartridges as shown above. The fire seal from the first few strokes of the dispenser should be discarded until the fire seal in the mixer has a constant red colour.

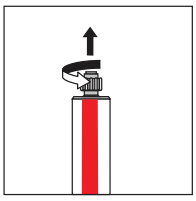
5 Apply the CP 620 in the opening.
– When dispensed slowly, the fire seal escaping from the mixer is already slightly expanded. This makes it easier to build up the fire seal.
– When dispensed quickly, the consistency of the fire seal is more liquid. The fire seal then flows better between the cables.
– Begin applying CP 620 at the back of the opening and then work towards the front.
Note: The fire seal becomes warm for a short time after application. Fill the opening completely with CP 620 Expanding Fire Seal.

6 For maintenance reasons, a penetration seal can be permanently marked with an installation plate. In such cases, mark the installation plate and fasten it in a visible position next to the seal.

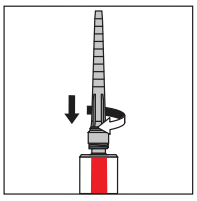
Re-installing cables or pipes

- Additional cables or pipes can be installed later without difficulty.

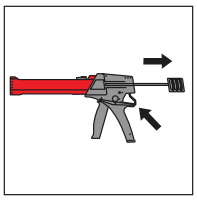
Instructions for applying CP620



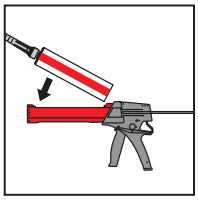
1 Hold the cartridge with the nozzle pointing upwards and unscrew the cap. Do not point towards people.



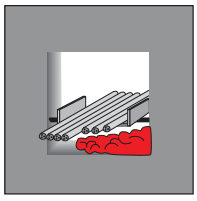
2 Fit the mixer and screw securely.



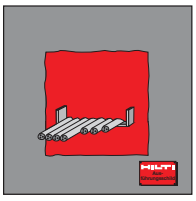
3 Release the dispenser and pull back the piston rod.



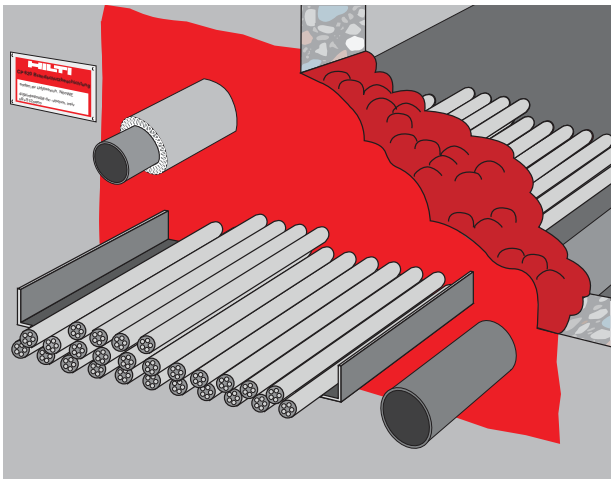
4 Insert the cartridge in the dispenser.



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



6 Attach the installation plate (if required).



- Use a suitable tool to create an opening (screwdriver, drill bit etc.). Push the cable or pipe through and then seal the remaining opening carefully with CP 620.

Notes

- The extension pipe can be fitted when working on difficult-to-reach openings.
- The fire seal can be cut back to no less than the minimum specified installed depth.
- Pieces of cured fire seal which have been cut off can be laid in the next opening and fresh fire seal applied around these.

Framing

(Thickness of wall less than 145 mm per BS)

When the wall has a thickness of less than 145mm and a 2 hours fire rating is required, a frame of plasterboard strips must be attached around the opening in order to achieve a fire seal depth of 145 mm (minimum wall thickness 120 mm per BS).

Example – 120 mm drywall thickness:

The height of the strips forming the frame must be selected so that the fire seal has a thickness of12.5mm either side of the installation thus achieving 145mm overall thickness of CP 620.

Safety precautions

- Please refer to MSDS data sheet available as a download from the Technical Library on the Hilti web site at www.hilti.co.uk / www.us.hilti.com

For Consumption Information refer to the Consumption Guide on pages 62-63

The above applications are not exhaustive.
For further details please contact your local Hilti representative

Certificate of Compliance

Certificate Number **20060214-R13240I**
Report Reference **2006 February 14**
Issue Date **2006 February 14**

Underwriters Laboratories Inc.®

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 620

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 620 Fire Foam for 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

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