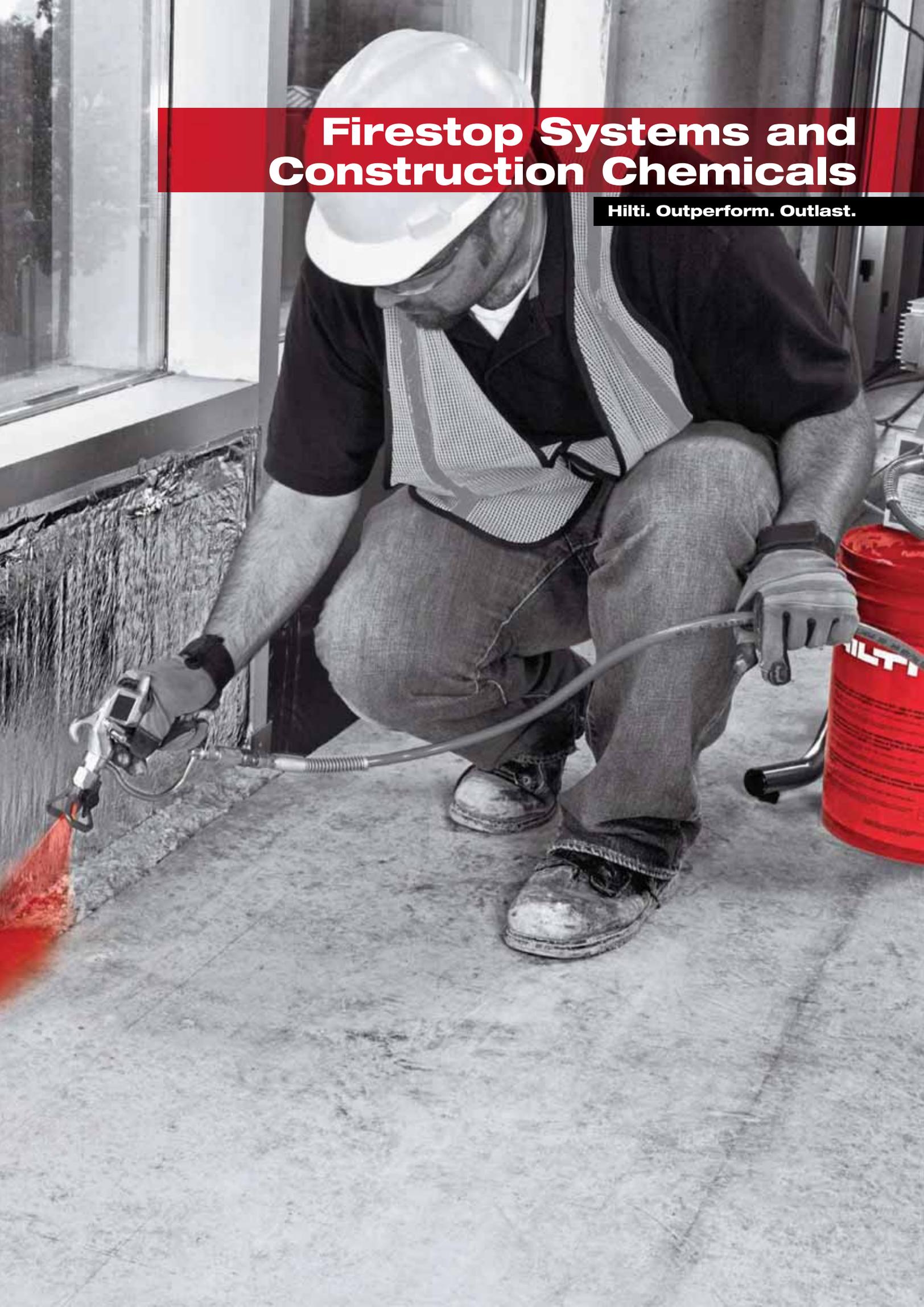


Firestop Systems and Construction Chemicals

Hilti. Outperform. Outlast.





Firestop sealants and sprays

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Elastomeric silicone sealant CP 601S



Applications

- Expansion or stretched-connection joints in fire compartment walls and floors
- Non-insulated pipes in penetrations through fire compartment walls and floors
- Acoustic insulation of pipes

Advantages

- Weather and UV-resistant
- Excellent movement capability
- Smoke, gas and water-resistant



British Standard
BS 476-20

Technical data

Chemical basis	Neutral elastic silicone
Base materials	Masonry, Metal, Concrete, Glass
Tested in accordance with	UL 2079, ASTM E814, ASTM E1966, CAN/ULC-S115, UL 1479, ASTM E84
Movement¹⁾	± 25% (ISO 11600)
LEED VOC	3 g/l
Can be painted	No
Approx. curing time²⁾	2 mm/3 days
Intumescent	No
Application temperature range	5 - 40 °C
Storage and transportation temperature range	5 - 25 °C
Temperature resistance range	-40 - 160 °C
Colour	White / Grey

¹⁾ according to HTC 1250

²⁾ at 75°F/24°C, 50% relative humidity



Ordering designation	Volume per unit	Packaging	Sales pack quantity	Item number
CP 601S 310ML grey	310 ml	Cartridge	1	310635
CP 601S 310ML white	310 ml	Cartridge	1	310633

Flexible firestop sealant CP 606



Applications

- Sealing rigid or low-movement ceiling/wall joints, widths from 6 to 30 mm
- Sealing cable tray penetrations
- Sealing metal pipe penetrations
- For use in various base materials such as masonry, concrete, drywall and metal

Advantages

- Paintable
- Good adherence without primer
- Easy clean up with water
- Smoke, fume and water resistant
- Tested for 500 cycles with up to 33% movement in accordance with UL 2079 and ASTM E1966
- Meets LEED™ requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings



British Standard
BS 476-20

Technical data

Chemical basis	Water-based acrylic dispersion
Base materials	Concrete, Masonry, Drywall, Steel
Tested in accordance with	UL 2079, ASTM E814, ASTM E1966, UL 1479, CAN/ULC-S115
Movement¹⁾	±12.5% (ISO 11600)
LEED VOC	75 g/l
Can be painted	Yes
Approx. curing time²⁾	3 mm/3 days
Intumescent	No
Application temperature range	5 - 40 °C
Storage and transportation temperature range	5 - 25 °C
Temperature resistance range	-30 - 80 °C
Colour	White / Grey

¹⁾ according to HTC 1250

²⁾ at 75°F/24°C, 50% relative humidity



Ordering designation	Volume per unit	Packaging	Sales pack quantity	Item number
CP 606 310ml INT grey	310 ml	Cartridge	1	209630
CP 606 310ml white	310 ml	Cartridge	1	209625

Firestop sealant CP 611A



Applications

- Single cables and cable bundles
- Plastic pipes ≤50 mm (2") without additional collar
- Small openings

Advantages

- Paintable
- Fast, easy application and cleaning up
- Particularly suitable for laying new cables
- Silicone-free



British Standard
BS 476-20

Technical data

Chemical basis	Water-based acrylic dispersion
Base materials	Concrete, Brick, Masonry, Metal, Gypsum
Tested in accordance with	UL 1479, EN 1364-4
Movement¹⁾	No
LEED VOC	56 g/l
Can be painted	Yes
Approx. curing time²⁾	3 mm/3 days
Intumescent	Yes
Application temperature range	5 - 40 °C
Storage and transportation temperature range	5 - 25 °C
Colour	Anthracite

¹⁾ according to HTC 1250

²⁾ at 75°F/24°C, 50% relative humidity



Ordering designation	Volume per unit	Packaging	Sales pack quantity	Item number
CP 611A INT	310 ml	Cartridge	1	220351

High performance intumescent firestop sealant FS-ONE



Applications

- Copper and EMT pipes
- Insulated steel and cooper pipes
- Single cables and cable bundles
- Closed or vented plastic pipes
- HVAC penetrations

Advantages

- One product for most firestop applications
- Cost-effective solution
- Easy to work with and fast cleanup
- Can be repenetrated when laying new cables

Technical data

Chemical basis	Water-based acrylic dispersion
Base materials	Concrete, Concrete block, Metal, Wood, Gypsum
Expansion ratio (unrestricted, up to)	1:5
Approx. tack-free time (ventilated at 77°F, 80% rel. humidity)	20 min
Approx. curing time ¹⁾	2 mm/3days
Average volume shrinkage	24 %
Application temperature range	5 - 40 °C
Temperature resistance range	-40 - 100 °C
Storage and transportation temperature range	5 - 25 °C
Shelf life ²⁾	9 Months
Colour	Red

¹⁾ at 75°F/24°C, 50% relative humidity

²⁾ at 77°F/25°C and 50% relative humidity; from date of manufacture



Ordering designation	Volume per unit	Packaging	Sales pack quantity	Item number
FS-ONE 5 GAL PAIL	19000 ml	Pail	1	259578
FS-ONE 10.1OZ CART	300 ml	Cartridge	12	259579

Firestop joint spray CFS-SP WB



Applications

- Sealing openings between the tops of walls and concrete metal floor decks or ceilings
- Sealing building perimeter gaps between floor slabs and exterior curtain wall facades

Advantages

- Water-based, low VOC, contains no halogens
- High degree of elasticity - movement capability of up to 50%
- Excellent sprayability and low slump characteristics
- Fast, efficient sealing of wide, difficult-to-access joints
- Quick and easy installation with airless sprayer can help save time and money
- Both sprayable and brushable



British Standard
BS 476-20

Technical data

Chemical basis	Water-based acrylic dispersion
Base materials	Concrete, Masonry, Gypsum, Steel, Aluminium, Glass
Tested in accordance with	UL 2079, UL 1479, ASTM E84, ASTM E2307, ASTM C1241, ASTM G21, ASTM E90, ASTM E1966, CAN/ULC-S102, CAN/ULC-S115, ASTM E814, EN 1364-4, EN 1366-4
Movement¹⁾	Up to 50 %
LEED VOC	73 g/l
Can be painted	Yes
Approx. curing time²⁾	2 mm/3 days
Intumescent	No
Application temperature range	4 - 40 °C
Smoke resistance	Yes
Storage and transportation temperature range	4 - 25 °C
Colour	Red

¹⁾ according to HTC 1250

²⁾ at 75°F/24°C, 50% relative humidity



Ordering designation	Volume per unit	Packaging	Sales pack quantity	Item number
CFS-SP WB red	19000 ml	Pail	1	430815

Firestop mortar CP 636



Applications

- Permanent firestopping of cables, cable trays, and non-combustible pipes in medium to large wall and floor openings
- Single, multiple and mixed penetrations
- Medium to large multiple penetrations in concrete and masonry in combination with other products

Advantages

- Excellent application characteristics
- Easy to install with trowel or commercially available pumps thanks to adjustable consistency
- High yield Stiff (forms not always required)
- Contains no asbestos, phenol or halogen constituents
- Good adhesion to steel, concrete, and masonry



British Standard
BS 476-20

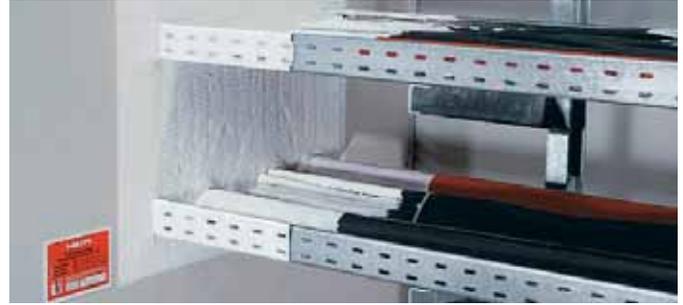
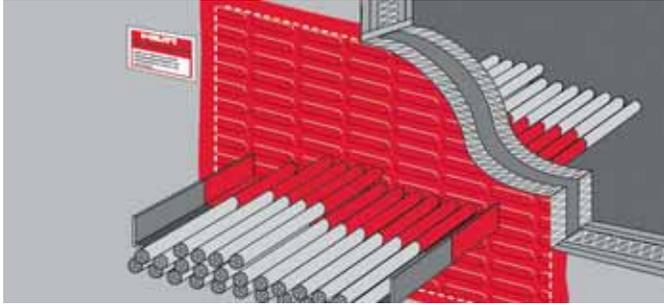
Technical data

Base materials	Concrete, Masonry
Approx. mix ratio	2.5:1 (mortar to water by weight)
Intumescent	No
Max. compressive strength after 28 days	2.9 N/mm ²
Re-penetration	Possible
Application temperature range	5 - 80 °C
Reusable (and removable)	Not possible
Setting time (approx.)	10 h
Fire rating	See Approvals
Working time (approx.)	45 min
Temperature resistance range	-10 - 80 °C
Colour	Grey



Ordering designation	Sales pack quantity	Item number
CP 636 20KG	1	334897

Firestop coating CP 670



Applications

- Permanent firestopping of blank openings, cables, cable trays, non-combustible and combustible pipes in medium to large wall and floor openings
- Ideal for large openings

Advantages

- Solvent- and silicone-free
- Fully functional immediately after installation
- Smoke tight



British Standard
BS 476-20

Technical data

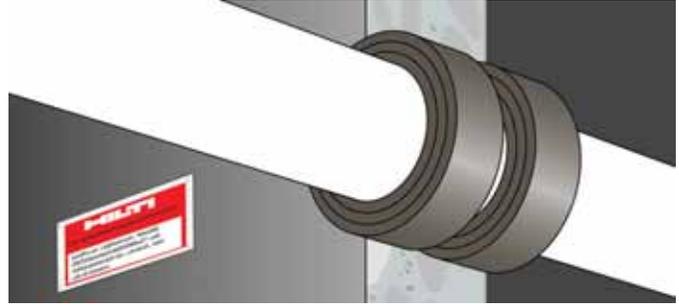
Base materials	Drywall, Concrete, Masonry
Intumescent	No
Re-penetration	Possible
Application temperature range	5 - 40 °C
Reusable (and removable)	Not possible
Fire rating	See Approvals
Temperature resistance range	-40 - 100 °C
Storage and transportation temperature range	5 - 30 °C
Acoustic insulation	Yes
Approvals	BS 476-20
Approx. curing time¹⁾	1 mm/day
Colour	White

¹⁾ at 75°F/24°C, 50% relative humidity



Ordering designation	Volume per unit	Packaging	Sales pack quantity	Item number
CP 670 6kg	4000 ml	Pail	1	376023

Firestop wrap strip CP 648-E



Applications

- Combustible pipe penetrations

Advantages

- Quick and easy closure without need for tools
- Easy to cut
- Fast installation
- Maximum flexibility



British Standard
BS 476-20

Technical data

Base materials	Concrete, Drywall, Masonry
Expansion temperature (approx.)	210 °C
Intumescent	Yes
Storage and transportation temperature range	-5 - 50 °C
Application temperature range	-5 - 50 °C
Temperature resistance range	-20 - 100 °C
LEED VOC	3.1 g/l
Complementary products	CP 606, CFS-S ACR, CP 620, CP 636, CP 633 M10
Acoustic insulation	Yes
Can be painted	No
Colour	Grey, printed foil



Ordering designation

CP 648-E 1,75" x 33'

Sales pack quantity

1

Item number

304309

Firestop foam CP 620



Applications

- Concrete, drywall and masonry
- Multiple and mixed penetrations
- Single cables, cable bundles and cable trays
- Metal pipes

Advantages

- Innovative firestopping solution for complex applications and in difficult-to-reach locations
- Virtually impervious to smoke
- Excellent water and vapour resistance
- Bacteria resistant
- Easy to use in openings where access is poor



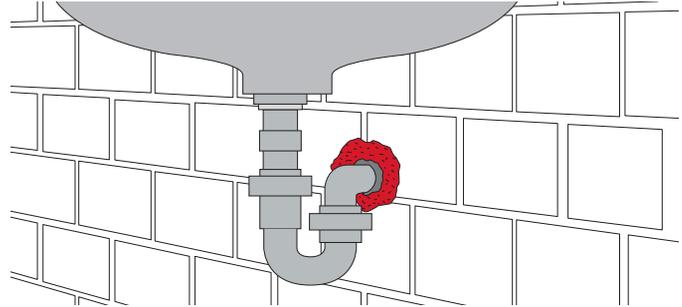
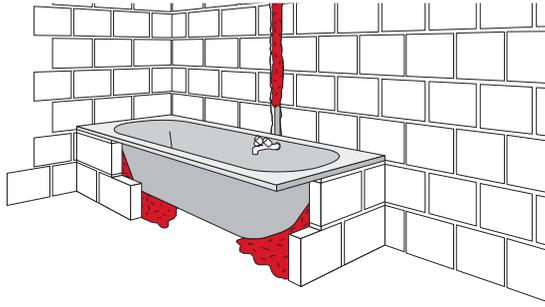
Technical data

Approvals	P-3659/3470-MPA BS,Z-19.15-1353
Foam yield (up to)	1.9 l
Intumescent	Yes
Tested in accordance with	UL 1479, CAN/ULC-S102
Approx. tack-free time (at 23°C / 50% rel. humidity)	35 s
Approx. cut time (at 23°C / 50% rel. humidity)	2 min
Fire rating	See Approvals
LEED VOC	1.3 g/l
Storage and transportation temperature range	5 - 25 °C
Temperature resistance range	-30 - 100 °C
Application temperature range	0 - 40 °C
Colour	Red



Ordering designation	Volume per unit	Pakaging	quantity	Item number
CP 620	300 ml	Cartridge	1	2025083

Filling foam CF-F



Applications

- Gaps and cracks
- Drywall voids
- Gaps or cavities for electrical fittings
- Backfilling for sealants
- Holes left by concrete forms
- Filling gaps

Advantages

- Easy to use - finger dispensing
- High adhesive strength
- Stops air infiltration

Technical data

Approx. density	25 kg/m ³
Foam yield (up to)	34 l
Approx. cut time (at 23°C / 50% rel. humidity)	30 min
Min. time before loadbearing	Approx. 3-5 h
Application temperature range	5 - 30 °C
Temperature resistance range	-40 - 80 °C
Content per can/cartridge	750 ml
Colour	Manila
Storage and transportation temperature range	5 - 25 °C
Approx. tensile strength	0.06 N/mm ²
Approvals	Emission class for building material



Ordering designation	Volume per unit	Packaging	Sales pack quantity	Item number
CF-F 750	750 ml	Can	1	369811

Accessories for Foams

Ordering designation		CF-F	Sales pack quantity	Item number
Cleaner CFR1 500ML		■	1	55019

Accessories for firestop sealants and firestop foams

Ordering designation		CP 601S	CP 606	CP 611A	FS-ONE	CP 620	Sales pack quantity	Item number
Dispenser CFS-DISP		■	■	■	■		1	2005843
Dispenser DSC box						■	1	338720
Extension tube CP 620-EXT						■	12	338716
Mixer CP 620-M						■	12	338718