

FIRESTOP RECTANGULAR CABLE COLLAR CFS-RCC TECHNICAL MANUAL

European technical assessment ETA-20/0990







FIRESTOP CABLE COLLAR CFS-RCC



Applications

- Flexible solution for cables, conduits, cable trays and pipes in concrete, masonry and drywall applications
- For new and existing penetrations in floors and walls
- Especially suitable for renovation projects under difficult conditions
- Can be used to seal old/damaged fire compartment penetrations without removing the existing material

Advantages

- Broad approval range also covers mixed penetrations and mechanical penetrations with metal pipes up to 114 mm and plastic pipes up to 50 mm
- Modular system fast and easy to install, no mortar or mineral wool required
- Surface-mounted solution perfect for use at openings with 100% cable fill
- · Excellent solution for irregular openings
- Time-saving, dust-free solution no need for framework for drywall applications, no chiseling work on solid walls necessary
- Preformed product immediately functional after installation
- Reliable solution easy to inspect
- Re-penetrable allows easy increase in future cable capacity
- Also suitable for single-sided applications for floor and wall openings
- Green building contains no halogens, solvents or asbestos.
- LEED information available



Technical Data

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Base material	Concrete, aerated concrete,		
	drywall, masonry		
Chemical basis	Polyurethane foam		
Color	Red		
Complementary products	CFS-FIL, CFS-F FX,		
	CFS-P BA, CP636		
Intumescent	Yes		
Expansion temperature	200 °C		
(approx.)			
Expansion ratio	1:3		
(unrestricted, up to)			
Application temperature range 5 – 40 °C			
Storage and transportation	–5 – 40 °C		
temperature range			
Temperature resistance range	–15 – 60 °C		

Order designation	Package contents	Minimum order quantity	Item number
CFS-RCC firestop cable collar	2	2	2126526
CFS-RCC EXT firestop cable collar	2	2	2126527





FIRESTOP FILLER MASTIC CFS-FIL

Applications

• For use with Hilti Firestop Cable Collar CFS-RCC (gap filling)

Advantages

· Can be used with Hilti dispenser CFS-DISP



Order designation	Package contents	Minimum order quantity	Item number
Firestop Filler Mastic CFS-FIL	310 ml	1 pc	2052899

CFS-F FX FIRESTOP FOAM

Applications

- For use with Hilti Firestop Cable Collar RCC (gap filling)
- For use with Hilti Firestop Cable Collar (polyurethane inlay replacement on both sides)
- For use with Hilti Firestop Cable Collar (wall opening filling for single-sided application)



Item number

429802

Advantages

- Can be used with Hilti HDM 330 Manual Dispenser and HDE 500-A22 Cordless Dispenser
- Allows rough cutting of the polyurethane inlay

Order designation CFS-F FX Firestop foam Package contents incl. 1 mixing nozzle, instructions for use



FIRESTOP PUTTY BANDAGE CFS-B PA

Applications

- For use with Hilti Cable Collar CFS-RCC
- For specific cable configurations, to achieve El 120

Advantages

- Easy to cut
- Self-adhesive

Downing
-

Order designation	Packing content	Minimum order quantity	Item number
Firestop Putty Bandage CFS-PBA	5m	1 pc	2062876

CP 636 FIRESTOP MORTAR

Applications

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

Advantages

- Easier to install consistency can be varied for application with a trowel or commercially available pumps
- · Excellent thermal insulating properties
- Minimal shrinkage during curing and no spalling in event of fire

Order designation	Packing content	Minimum order quantity	Item number
CP 636 Firestop Mortar	20 kg	1	334897







INSTALLATION INSTRUCTIONS







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GENERAL INFORMATION



MAIN APPROVED APPLICATIONS







RELEVANT CONSIDERATIONS







RELEVANT CONSIDERATIONS



CHARACTERISTICS OF FIRESTOP CABLE COLLAR CFS-RCC

Hilti firestop products are comprehensively tested and individually tailored to the technical requirements of a building's mechanical and electrical installations. In addition to their superior behavior in passive fire protection, Hilti firestop products also meet the requirements in building technology that continue to gain significance and also help the designer and installer to meet these additional requirements. The assessment of fitness for use has been made in accordance with EOTA ETAG No 026 – Part 2.

Characteristics	Assessment of characteristics	Norm, standard, test
Health and the environment Dangerous substances	Below any respective occupational exposure limits as far as such limits exist (compared with the list of dangerous substances of the European Commission)	VOC test report in accordance with AgBB (2015) and AFSSET (2009). French VOC regulation (2011). French CMR components (2011). Belgian Regulation (2015). Indoor Air Comfort [®] (2015). BREEAM International. LEED 4
Protection against noise (airborne sound insulation)	CFS-RCC=Rw (C; Ctr)=63 (-3; -9) dB	EN ISO 140-1. EN 10140-2. EN ISO 717-1
Thermal properties	Thermal conductivity λ = 0.089 W/mK and thermal resistance r = 0.55 m2K/W	EN 12667
Electrical properties	Electrical volume resistivity: approx. 2.23E+9 Ω cm Electrical surface resistivity: approx. 47.1E+9 Ω cm	IEC 60093 (VDE 0303 Part 30): 1993-12
Durability and serviceability	Overall: Category Z2 (for internal use at low humidity)	EOTA TR 024:2009
Reaction to fire	Class E	EN 13501-1



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