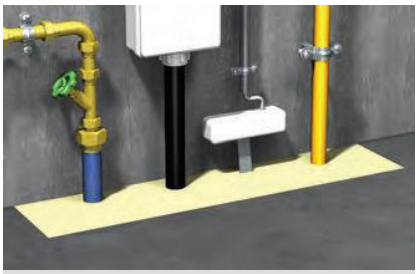
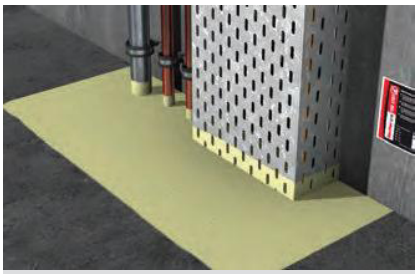
FireStop Compound FFSC

Structural fire resistant seal for floors and walls



Mixed service penetrations



Mixed service penetrations

ASSESSMENT/APPROVAL

ETA-14/0387
1121-CPR-JA5049

British Standard
BS 476-20
BS EN ISO 10140-3:1995
BS EN 1366-3

CLASSIFIED c UL us
FILL VOID OR CAVITY MATERIAL FOR USE IN THROUGH PENETRATIONS FIRE STOP SYSTEMS SEE UL FIRE RESISTANCE DIRECTORY 4NE5

American Standard
ASTM E 814
(UL 1479)

ADVANTAGES

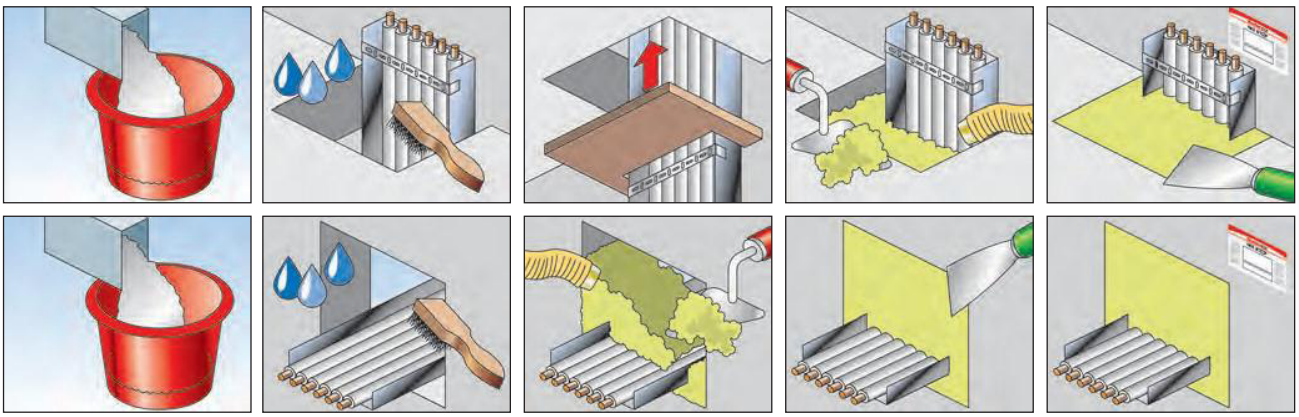
- Water based
- Low VOC
- Load bearing
- Excellent acoustic proper-ties
- Both vertical and horizontal applica-tions
- Halogen and asbestos free

APPLICATIONS

- Metallic services with steel and cast iron pipes
- Non-metallic services with FiP intu-mescent pipe wrap or FFC
- Voids or cavities in floors or walls
- Cable bunches

FUNCTIONING

- FFSC is a specially formulated gypsum based compound, which when mixed with water can be trowelled or poured.
- FFSC can provide up to 4 hours inte-grity and insulation.
- Set within 45 min depending on ambient temperature.
- Capable of accommodating foot traffic within 72 hours.



INSTALLATION

1. Service penetrations should be rigidly supported as per local building codes or approved standards.
2. Clean all contact surfaces so they are free from loose debris and contaminants such as oil, dirt, grease, wax, old sealant, etc.
3. Pouring: Mix compound with water in 2.5:1 parts by volume. Do not mix weaker than 2:1.
4. Shutter into the opening to ensure a tight fit so that once the required depth of compound is installed, it finishes flush with the floor.
5. Mix and pour compound until the required thickness is achieved.
6. If the opening is greater than 1,200x1,200 mm, appropriate reinforcement may be required.

SPECIFICATIONS

Item	Art.-No.	Weight [kg]	Sales unit [pcs]
FFSC/20 kg	**533247**	20	1

TECHNICAL DATA

Chemical base	Gypsum
Colour	Off white
Weight	20 kg
Bulk density	950 kg/m3
Wet density	1,850 kg/m3
Setting time (min)	20
Application temperature range	+5 °C to +40 °C
Temperature resistance	-5 °C to +100 °C
Compressive strength	17 N/mm2
Sound insulation (Rw partition and specimen)	59 dB
Reaction to fire (EN13501-1)	Class F
Shelf life	12 months
European Technical Approval	ETA 14-0387
Tensile strength	30/mm^2
Thermal conductivity - EN1745	0.57 W/mK at 50 % /0.65 W/mK at 90 %
Average yield	4 bags per M2 at 100 mm thickness

APPLICATION DATA

	By volume Powder to water ratio
Pourable grade	2.5:1
Trowelable grade	3:01

* These are approximate calculations based on 20 kg bags. The coverage does not take into account the percentage of the hole filled with services.
** As a further safety margin, we would recommend that all floor seals with clear areas greater than 1,100 mm x 1,100 mm must be reinforced.
Load bearing note: the open area free of services: Thickness of seal ratios for non-reinforced seals given above allow an ample safety margin for normal foot traffic, e.g., loads of two men plus equipment with a combined weight up to 200 kg.

Authorized Dealer

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