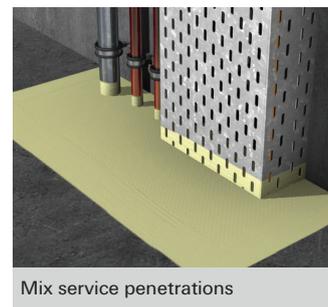


## Structural fire resistant seal for floors & walls



Mix service penetrations



Mix service penetrations

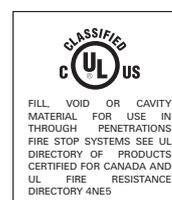
### APPLICATIONS

- Metallic services-Steel & Cast Iron pipes
- Non-metallic services - With FiP Intumescent Pipe Wrap or FFC Firestop Collar
- Voids or cavities in floors or walls
- Cable bunches

### ADVANTAGES

- Water based
- Low VOC
- Load Bearing
- Excellent acoustic properties

### APPROVALS



The laboratory measurement of airborne sound insulation of building elements

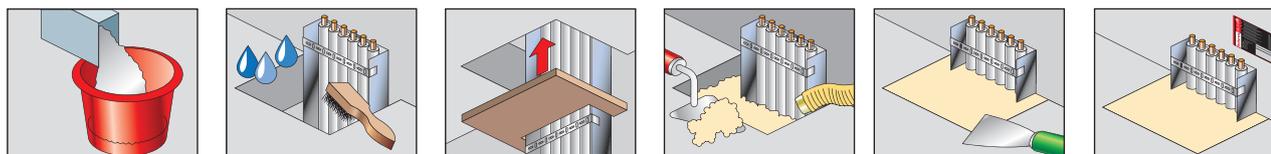
### DESCRIPTION

- fischer FFSC is a specially formulated gypsum based compound, which when mixed with water can be trowelled or poured around service penetrations in either vertical or horizontal applications.
- Tested to EN1366-3 and UL1479, the FFSC can provide up to 4 hours integrity and insulation. It has been designed to set within 30-45 min depending on ambient temperature, and is capable of accommodating foot traffic within 72 hours.
- Formulated to be halogen and asbestos free the FFSC exhibits excellent load bearing capacity and can help to maintain the sound reduction index of a structure. Non metallic services which pass through the FFSC should be adequately protected with either the fischer FiP Intumescent Pipe Wrap or FFC Firestop Collar and installed in accordance with the detailed instructions or the approved system.

### INSTALLATION

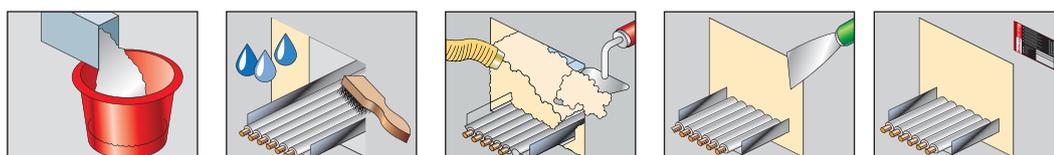
**Note: Firestop material must be installed in accordance with the detailed instructions or the approved system:**

- 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 sealants etc
- 3 Pouring: Mix compound with water in 2.5:1 parts by volume. Do not mix weaker than 2:1.
- 4 Shuttering into the opening ensuring 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 Reinforcing requires 12mm dia. bars placed at a maximum of 200mm centres across the short span only. The bars may be either recessed into the surrounding structure by a minimum of 50mm on both sides or supported on an angle securely fixed to the structure, all positioned approx 30mm above the bottom surface of the Compound to ensure adequate fire protection from below. Existing compound installations can be easily drilled or sawn to allow the provision of additional or replacement services, and subsequently re-sealed.



#### Wall Openings

1. Trowelling: 1 bag of Compound to 6.5 litres water (3:1). (Guide only. Varies with site conditions).
2. Trowel the Compound, starting at the base of the opening ensuring the correct thickness of material is installed. Work progressively towards the top of the opening until the barrier is complete. If shuttering panel is set at the centre repeat the process on each side



## SPECIFICATIONS

Description	Article No.	Weight [KG]	Qty. Per Box
FFSC/20kg	533247	20	1

## TECHNICAL DATA

Chemical Base	Gypsum
Colour	Off White
Weight	20 kg
Bulk Density	950 kg/m <sup>3</sup>
Wet Density	1850 kg/m <sup>3</sup>
Setting Time (min)	20
Application Temperature Range	+5°C to +40°C
Temperature resistance	-5°C to +100°C
Compressive Strength	17 N/mm <sup>2</sup>
Sound Insulation	50 dB
Reaction to Fire (EN13501-1)	Class F
Shelf Life	12 Months
European Technical Approval	ETA 14-0387
CE Mark	1121-CPR-JA5049
Tensile strength	30/mm <sup>2</sup>
Load Bearing Capacity	1000mm Span - 10.29kN/m <sup>2</sup>
Load Bearing Capacity	1200mm Span - 8.57kN/m <sup>2</sup>
Load Bearing Capacity	1500mm Span - 6.86kN/m <sup>2</sup>
Load Bearing Capacity	2000mm Span - 5.15kN/m <sup>2</sup>
Thermal Conductivity - EN1745	0.57W/mK at 50% /0.65W/mK at 90%
Average Yield	4 bags per M <sup>2</sup> at 100mm thickness

## APPLICATION DATA

	By Volume Powder : Water
<b>Pourable Grade</b>	2.5:1
<b>Trowelable Grade</b>	3:1

\* These are approximate calculations based on 20kg 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 of greater than 1800mm x 1800mm 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 200kg.

## ADDITIONAL INFORMATION

Note: Please refer to SDS for further information

### Recommendations

1. Can be used in conjunction with a fischer FiPW Pipe Wraps or FFC FireStop Collars for non-metallic services

### Storage

1. Storage temperatures between -15°C and +80°C
2. Store away from heat sources
3. Keep bag closed until in use; used or needed
4. Monitor expiry date on bag