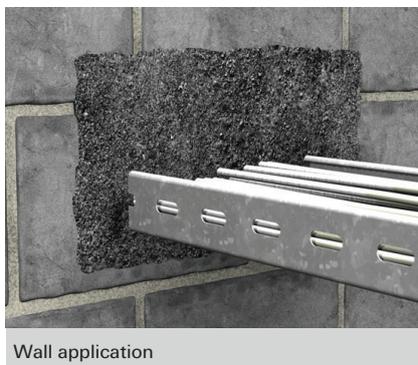# A fast and efficient expandable fire seal for small to medium applications

Wall application

Floor application

APPLICATIONS

- Single or multiple penetrations
- Cable tray/bunch
- Blank openings
- Metallic or non metallic conduit

APPLICATION EXAMPLES:

- Cable bunches up to 80mm
- Small to medium openings in floors and walls
- Metal or PVC conduits
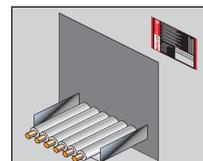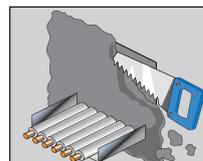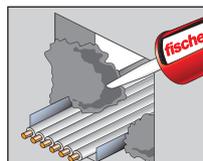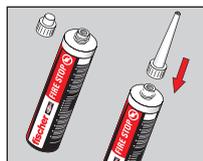- Mixed multiple penetrations

ADVANTAGES

- Easy access for difficult to reach openings
- Low VOC
- Age resistant
- Smoke resistant
- Resistant to damp
- Can be combined with FBB

APPROVALS

ETA Approval pending

German Standard

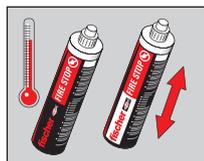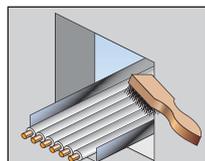**DIN EN 1366-3**

British Standard

BS 476 - 20

DESCRIPTION

- fischer Firestop Foam Barrier Seal FBS is an innovative two component polyurethane expanding fire seal, which has been designed to give maximum flexibility when used for sealing service penetration in hard to reach locations.
- Tested to the DIN 4102-09 and BS476 the FBS can be used on a variety of service penetrations and has compatibility in Concrete, porous concrete, masonry and Drywall for both vertical and horizontal applications and provides up to 90 min fire protection.

INSTALLATION

Note: Firestop material must be installed in accordance with detailed instructions or the approved system:
1. Service penetration 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. Maximum degree of service penetration is 60% of void size.
4. Protect adjacent surfaces with paper or plastic film.
5. Shake tube vigorously at least 20 times before use.
6. Remove the cap and screw the static mixer nozzle firmly to the connector on the top of tube.
7. Place in a standard sealant (caulking) gun or fischer KPM2 applicator. If using FBS 0.5, then the applicator gun 0.5 (503115) must be used.
8. Gently pull the trigger to dispense the foam while holding the tube inverted.
9. Foam should be built up in beads and allow for a few seconds between beads.
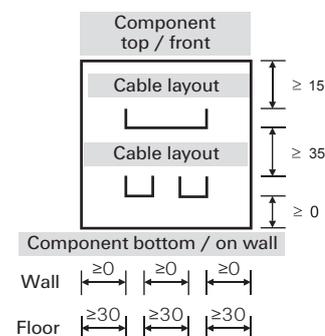
SPECIFICATIONS

Description	Article No.	Contents	Qty. Per Box
FBS 0.2	45987	180g	12
FBS 0.5	503114	480g	12
KP M2 Applicator Gun	53117	1	1
Applicator Gun 0.5	503115	1	1
FBB Block	45986	230 x 130 x 60	10
FBB/S	533888	160 x 130 x 60	20

TECHNICAL DATA

Density	1.4 g/cm^3 as per DIN 51757
pH value at 20°C	10
Temperature Resistance	-15°C to +80°C
Flash point	204°C as per DIN EN22719/ISO2719
Ignition temperature	600°C as per DIN 51794
Construction material class	B2 - as per DIN 4102
Cartridge Content	180g (150ml)
Yield	650ml at 18°C up to 1000ml at 23°C
Cure time	Tack free after 5min approx
Colour	Grey
Pack size	Boxed in12
Shelf Life	9 months

Installation data	Wall	Floor	Light partition wall
Approval no.			
Wall/ceiling thickness	Min. 100	Min. 150	Min. 100
Max. seal size (WxH/L)	220 x 220	400 x unlimited	700 x 400
Seal thickness min.	200	230	230
Min. spacing	Clearance between individual cable routes >35mm and between uppermost cable route and component >15m clearance to the side from each other to the wall, and below >0mm.		
Reinforcing strip of component thickness	>200mm with plaster board, fibreplaster panels, or calcium silicate panels (25mm wide)		

Component top / front

Cable layout ≥ 15

Cable layout ≥ 35

≥ 0

Component bottom / on wall

Wall ≥0 ≥0 ≥0

Floor ≥30 ≥30 ≥30

ADDITIONAL INFORMATION

Note: Please refer to MSDS for further information

Recommendations

1. **Can be used in conjunction with fischer FBB - FireStop Blocks**

Storage

1. **Storage temperatures between +5°C and +30°C**
2. **Store away from heat sources**
3. **Keep cartridge closed until use**
4. **Monitor expiry date on tube**