

# Fire Foam



### Features and Benefits

- High foam yield
- No post shrinkage or expansion
- CFC free – Propellant
- Effective seal against smoke
- Can be rendered, cut, painted or sanded
- High bond strength
- Good adhesion to most building materials
- Excellent acoustic and thermal properties

### Application

- Construction joints in walls and floors
- Insulating and sealing doors and windows non-fire rated application
- Backfilling material only for service penetrations
- Filling general voids and cavities non-fire rated application

### Building Materials

- Concrete
- Masonry
- Steel – as backing material
- Timber – as backing material

### Storage

- Storage temperatures between +5°C and +25°C
- Store away from heat sources and direct sunlight
- Keep box closed until use
- Monitored expiry date on can

### Limitations

- Not suitable for service penetrations
- Not to be exposed to UV radiation or weathering without additional protection
- Not to be used against surface temperatures > +90°C

### Method of Application

- Clean all contact surfaces so they are free from loose debris and contaminants such as oil, dirt, grease, wax, old sealant etc
- Dampen the substrate surfaces with clean water before application to improve adhesion and curing rate
- Protect adjacent surfaces with paper or a plastic film
- Shake the canister vigorously at least 20 times before use, and again periodically during application
- Remove the cap and screw the nozzle firmly into the connector on the top of the valve
- Gently pull the trigger to dispense foam, whilst holding the canister inverted
- Fill approximately half of the required depth of the cavity to allow for expansion of the foam. Should gaps be more than 30mm then apply the foam in beads and pre-moisten between layers
- On horizontal surfaces always work away from the bead and work up wards on all vertical surfaces
- Please note that cured foam is adversely affected by UV light and should be protected with a suitable paint or sealant

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore tests are necessary. Our general conditions apply.

## Fire Foam

### Description

Single component, self expanding polyurethane foam which has been designed to be self curing via the absorption of moisture from the atmosphere. The foam has excellent adhesion properties and can adhere to most building materials, when the foam sets it cures to a semi-rigid structure which accommodates low movement and vibration.

Services penetrations should be adequately protected with suitable firestop material such as: FIAM Intumescent Acoustic Mastic, UFS universal Firestopping sealant, FiGM Intumescent Graphite Mastic, FFC Collar or FiPW Pipe Wraps, and should be installed in accordance with detailed instruction or approved system.

### Technical Data

Base	Polyurethane
Consistency	Stable foam
Curing system	Moisture-cure
Yield	1000ml yields 35-40l cured foam when extruded in beads
Specific gravity	Ca 27 kg/m <sup>3</sup> extruded, fully cured
Skinning formation (20°C/65%/R.H)	10 min
Drying time (20°C/65%/R.H)	Not tacky after approx 8 min
Curing rate (20°C/65%/R.H)	2hr for 30mm bead
Shrinkage	None
Post expansion	None
Cellular structure	70% closed cells, fine cellular structure
Temperature resistance	-40°C to +90°C when cured
Colour	Light red
Packaging	750ml can
Storage Temperature	+5°C to +25°C
Shelf life	Up to 9 months when stored in unopened cartridges under cool, dry conditions
Construction materials as per DIN 4102	B1
STC rating	58 db

### Approvals

British Standard BS 476-20  
BS EN 1366-4  
BS EN ISO 10140-3:1995

Tested to the DIN 4102, BS 476 and EN1366-4 the firestop foam also exhibits excellent thermal properties and helps to maintain the sound reduction index of a structure

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