

PremFire B1 Construction Foam

Product Description

PremFire B1 FR Construction Foam is an air humidity curing prepolymerised mixture in an aerosol can. See below for important safety instructions.

Features

- Good temperature and sound insulator
- Strong adhesive properties
- Adheres to most building substrates (except Teflon, polyethylene and silicone surfaces)
- Cured foam is sensitive to UV and direct sunlight
- Cured foam can be painted

Typical Applications

- Installation of fire protection doors
- Filling holes and gaps
- Thermal insulation where high requirements for fire resistance are needed

Application Conditions

- Air temperature during application +5°C to +30°C – best results at +20°C
- Can temperature during application +10°C to +25°C (Can has preferably to be stored for at least 12 hours in room temperature)
- Surfaces must be free of dust, loose particles and oil before foam is applied
- Soft foam can be removed with acetone, cured foam only mechanically

Safety Regulations

- Can contains diphenylmethane 4,4–di-isocyanate
- Dangerous when inhaled
- Irritates eyes, skin and respiratory organs
- Inhalation of gas may cause allergy
- In case of eye contact rinse thoroughly with water and seek medical help
- Do not smoke during work!
- Ensure good ventilation and use protection means when necessary
- Keep out of reach of children
- Aerosol can must not be stored at temperatures >+50°C or in direct sun



Please note: The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. October 2014

PremFire B1 – Construction Foam (continued)

Storage Conditions

- Can must be stored and transported in vertical position
- Store in a cool, dry place
- Store at temperatures +5°C to +30°C
- Storage life 12 months
- Aerosol can must not be stored at temperatures >+50°C or in direct sun

PremFire B1 - Construction Foam	
Shelf life	12 months
Tack free time	12-16 minutes
Cutting time (30mm bead)	30-40 minutes
Completely cured in joint (+23°C)	Max. 18 hours
Completely cured in joint (+5°C)	Max. 24 hours
Density	25 – 30 kg/m ³
Fire class of cured foam*	EI 20 – EI 180
Volume decrease	Max. 2%
Expanding volume	2 – 2.5 times
Flash point of cured foam	400°C
Tensile strength (BS 5241)	10 N/cm ²
Compression strength at 10% (DIN 53421)	4 N/cm ²
Thermal conductivity	0.03 W/mK
Temperature resistance of cured foam	long term: -50°C to +90°C short term: -65°C to +130°C

* Fire resistance tested according to European standard EN 1366-4.
The values specified were obtained at +23°C and 50% RH, unless otherwise indicated.

Please note: The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. October 2014

Premier Sealant Systems Ltd

Mercia Way Foxhills Industrial Park Scunthorpe, DN15 8RE, England

Tel. 01724 864100 | Fax. 01724 860116 | Email. sales@premseal.co.uk | Website. www.premseal.co.uk