



ZETTEX

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TECHNICAL DATA SHEET

Fire Foam

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Product description

Zettex Fire Foam is a single-part fire-resistant polyurethane foam. This foam hardens with the absorption of moisture from the air. This cured fire-resistant foam has excellent temperature and noise insulation with strong adhesive properties. It adheres to different surfaces apart from PTFE, polyethylene and silicone surfaces. The foam is sensitive to UV-light and sunlight.

Material

Single-component polyurethane foam. Without CFC, HCFC and HFC (ozone-friendly and does not contribute to the greenhouse effect).

Advantages

- Fire retardant up to max. 180 min.
- Excellent sealing against smoke and gas
- B1 Fire class (DIN 4102-1)
- Yield to max. 42 l
- Strong adhesion to most construction materials
- Timesaving for the builder
- Professional dosage unit: more accurate and efficient application
- Excellent physical properties
- Excellent temperature and noise insulation
- Mould and moisture resistant
- Finished with plaster
- Can be painted over

Areas of application

Zettex Firefoam works excellently for the fire-retarding assembly of window and door frames, fire and smoke retarding sealing of all openings in walls, floors and roofs and other applications where fire-retarding properties are required.

Zettex Firefoam adheres to most usual building materials: concrete, brick, plaster, foam polystyrene, PVC, metal and wooden elements.

Available form

Spray can 750 ml

Application instructions

The Fire Foam can be fixed on the Zettex Foamgun. This enables optimal Fire Foam spraying. Shake the can thoroughly 20 times before use. This ensures optimal adhesion of the Fire Foam. After spraying the Zettex Foamgun can be cleaned with Zettex Foamcleaner and hands can be cleaned with Zettex Cleaning Wipes.

Safety recommendations

See safety information sheet.

Certificates



Properties	Specifications
Basis	Polyurethane
Propellant	Without CFC, HCFC and HFC
Processing temperature	5°C to +30 °C optimal: +15 °C to +20 °C
Density cured foam	25 – 30 kg/m ³
Skin formation time	12 – 16 min. (+23 °C, 50%)
Time before cutting (30 mm rul)	30 – 40 min. (+23 °C, 50%)
Fully loadable (20 mm rul)	24 hours (+23 °C, 50%)
Temperature resistance	- 40°C/+90 °C
Temperature resistance short time	- 40°C/+130 °C
Reaction to Fire DIN 4102-1	B1
Fire-resistance classification EN 1366	EI 20 – EI 180
Volume shrinkage	none
Volume increase	30%
Flash point of hardened foam	400 °C
Tensile strength BS 5241	8 N/cm ²
Shear strength at 10% DIN 53421	2.5 N/cm ²
Coefficient of heat conduction	0.034 W/(m·K)
Noise reduction index RST,w	60 dB
Temperature resistance of hardened foam	Long-term: -50 to +90 short-term: - 65 to +130
Yield (released product)	Approx. 40 litres
Shelf life	12 months after filling date. Spray can must be stored and transported in vertical position. Store in a cool and dry place. Store at temperatures of 5°C - 25°C.

The specific values are obtained at +23 °C and 50% air humidity, unless mentioned otherwise.

Fire-resistance tested according to European standard EN 1366-4:

Joint depth, mm	100	100	100	100	200	200	200	200
Joint width, mm	40	30	20	10	40	30	20	10
EI, min	45	45	60	60	120	120	150	180