Fernofoam®

Flame retardant, preventive fire protection foam

TDS: Fernofoam 2302EN

Fernofoam is a flame-retardant polyurethane gun foam that meets the requirements of B1 according to DIN 4102-1, when applied between solid mineral or metallic building materials. In all other applications, the foam corresponds to the building material class B2.

Applications

- Assembly of wooden (fire) doors and window frames
- Fire-resistant sealing of joints in walls
- Non-fire-resistant insulation of pipes, water pipes and electrical cables
- Gluing and insulating panels, corrugated sheets and roofing tiles.

Features and benefits

- Gives up to 2 hours fire resistance
- Excellent adhesion on most building materials such as wood, stone, concrete, masonry, metal and various plastics
- Fine closed cell structure after curing
- Excellent insulation values
- Good heat and sound insulation
- Free foam yield up to 45 litres
- Cured foam is rot-proof, moisture and aging resistant,
- Thanks to the special valve, cans can be stored both upright and lying down

Testing and certifications

- Building material class B1 according to DIN 4102-1
- GEV EMICODE EC1 Plus
- French VOC-A+ Emission Class

Processing

Substrates must be solid, clean, free of dust and grease. Moisten porous surfaces lightly with water to promote foam yield. Shake the 750ml canister vigorously 20x before use. Screw the canister hand-tight onto the gun. Invert the can and carefully dose the foam flow with the trigger. Shake regularly during processing. Fill cavities up to 65% because fresh foam still expands. For larger joints and cavities, moistening after each layer of foam is recommended. Remove spilled foam immediately with Bloem Spray Cleaner or Aceton. Opened canisters must be processed within 4 weeks. Before processing, please read the instructions on the label.

Technical data at 23ºC and 60% RH

Processing temperature:	+ 5ºC up to +25ºC
Optimal processing temperature:	+20ºC
Min. can temperature:	from +5ºC
Temperature resistance: Shortly up to:	-40°C to +80°C to +100°C
Tack free time:	6 to 8 min.
Cutting time (cord of Ø 20 mm):	after 10 min.
Cell structure:	fine /closed
Thermal conductivity, DIN52612:	0,036 W/mK
Tear strength, DIN 53571:	9,0 N/cm²
Compression strength, DIN 53421:	0,03 MPa
Density, ASTM D1622:	19 Kg/m³
Classification, EN13501-1:	B

Packaging

Content 750 ml. 12 Canisters per box.

Cleaning

Remove fresh, uncured foam with Bloem Spray Cleaner or Aceton. Cured foam can only be removed mechanically.

Limitations

- No adhesion given on polyethylene, silicones and greases
- Not UV-resistant

Measures acc. NEN6069 / EN1366-3

Width/mm	Depth/mm	Walls	Resistance (E)	Isolation (EI)
40	200	Soft wood Concrete	120 min.	120 min.
15	200	Soft wood Concrete	120 min.	120 min.
40	200	Aerated Concrete	120 min.	120 min.
15	200	Concrete/ Concrete	120 min.	120 min.
20	100	Aerated Concrete	60 min.	60 min.
20	150	Aerated Concrete	90 min.	90 min.
30	150	Aerated Concrete	60 min.	60 min.

Storage and shelf life

12 Months, cool and dry (+5°C up to +25°C). See the date stated on the cannister.

Safety precautions

Contains isocyanates. Highly flammable. Keep out of reach of children. Irritating to eyes, respiratory tract and skin. After contact with eyes, rinse with plenty of water and consult a doctor. Ventilate the work area well during processing. Keep out of sunlight and do not expose to temperatures above 50° C. See www.bloemsealants.com for detailed information.

Transport Classification

No special measures necessary.

Bloem Sealants BV | Westvlietweg 69 | NL 2495AA Den Haag | Tel.: +31 (0)70 329 66 01 | info@bloemsealants.com | www.bloemsealants.com