

Flexofoam®

Elastic isolation polyurethane gun foam

Factsheet: Flexofoam 2209EN

Strong adhesive, elastic polyurethane gun foam for optimal air tightness, sound insulation, heat resistance and water vapour resistance. Flexofoam is specifically designed for low energy buildings such as Passive House constructions.



Applications

- Designed for energy efficient buildings
- For sealing moving joints at windows and doors, roof openings and hollow spaces
- For sealing of partition walls and set areas
- For sealing tubes and (electrical)piping transits

Characteristics

- Adheres to wood, stone, concrete, masonry, metal and various synthetic materials, not on Polyethylene, silicone and greasy surfaces
- Gives a uniform fine cell structure
- Provides excellent insulation values
- Provides good thermal and sound insulation
- Free Foam Yield to 44 liters
- Rot free, moisture and temperature resistant
- Ageing resistant, not UV resistant
- Can be stored in vertical or horizontal position

Specifications

Flexofoam has been tested by the Research Institute IFT Rosenheim. All relevant reports can be down loaded.

- Joint Sound Reduction EN-ISO 10140-1: ≥ 64 dB
- Air Tightness EN-ISO 12114: No air-flow
- Thermal Conductivity EN-ISO 12667: 0.035 W/m.K
- Water Vapour Resistance EN-ISO 12572: $\mu = 22$

Technical data at 23°C and 65% RV

Application temperature:	-10°C up to 30°C
Optimum processing temperature:	+20°C
Min. Temperature canister:	from +5°C
Temperature resistance:	-40°C to +80°C
Temperature resistance short:	to +100°C
Open time:	10 min
Cuttable (Ø 20 mm):	after 30-45 min
Cell structure:	fine / closed
Thermal conductivity, DIN52612:	0,035 W/mK
Tensile strength, DIN 53430:	7,0 N/cm²
Compression strength DIN 53421:	0,01 MPa
Volume weight, ASTM D1622:	23 Kg/m³
Free foam yield:	to 44 liters
Water absorption:	$\leq 1\%$

Processing

Surfaces should be solid, clean and free from dust and grease. Floors should be covered in advance with paper or plastic foil. Moisten surfaces lightly with water in order to improve the adhesion and to accelerate curing time. Shake the canister vigorously 20x before use. Stand up the canister and attach the gun to the threaded ring of the can. Take care not to tip the canister or over tighten. Dose the foam by gentle pressure on the trigger. Fill cavities 80% as fresh foam expands during curing. During application, the canister has to be shaken regularly. For large gaps and cavities, moistening after each foam layer is recommended.

Cleaning

Immediately remove spilled fresh Flexofoam with Bloem SprayCleaner (acetone) or PowerScrub wipes. Cured foam can only be removed mechanically. Excess cured foam can only be removed by cutting with a knife or saw.

Packing

Canisters à 750 ml. 12 Canisters per box.

Storage

15 Months, cool and dry between +5°C and +25°C. Can be stored in vertical or horizontal position. To be used best before: See bottom of the canister. Opened canisters should be used up within four weeks

Safety Precautions

Contains isocyanates. Extremely flammable. Keep out of reach of children. Irritating to eyes, respiratory system and skin. After eye contact flush with plenty of water and consult a doctor. Ventilate workspace during processing. Keep away from sunlight and do not expose to temperatures exceeding 50°C. See www.bloemsealants.com for details.

Transport Classification

No special measures required.