

TECHNICAL DATA SHEET

GEBOFOAM ELASTIC elastic polyurethane foam for gun

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GEBOFOAM ELASTIC is a single-component, self-expanding polyurethane foam that hardens on contact with atmospheric moisture, for use with a professional gun. It remains permanently flexible and elastic, creating a highly insulating seal.

Properties

- Excellent adhesion on concrete, plaster, masonry, wood and plastics.
- High elasticity, especially recommended for joints subject to stress.
- Excellent thermal and acoustic insulation qualities.
- High resistance to aging
- High yield

Applications

GEBOFOAM ELASTIC is specifically developed to create airtight, thermally insulated joints in spaces between masonry and window frames, sills, casements, etc. Also suitable for construction, partition walls, ceiling and floor joints, installations and pipe penetrations for plumbing systems. Ideal for use in Passive Housing and energy-neutral buildings.

Characteristics

Its uniform, predominantly closed cell structure, dimensional stability and mechanical properties are such that it is ideal for fixing, insulating and sealing.

It has excellent adhesion to all common materials used in construction, both smooth and porous: wood, cement, plaster, metals, plastics (except polyethylene, Teflon and silicone). The foam can be laid from temperatures of +5 °C up to +35 °C.

Once cured, it is impervious to microorganisms and mold and has excellent resistance to chemicals. It can be drilled, cut, grouted and painted. GEBOFOAM ELASTIC is waterproof and resists temperatures between -40 °C and +90 °C and aging.

Once applied, it must be protected from UV rays and sunlight.

Thermal and soundproofing values are excellent.

Preparation

The bottoms must be solid, clean and free of dust and grease. Moving parts should be removed before starting work. If necessary, it may be necessary to deeply solidify the primer by employing appropriate primers. Also prepare the D500 cleaner.

The ideal application temperature is about +20 °C. Canisters that are too cold should be warmed up in lukewarm water. The temperature should never exceed +50 °C, otherwise there is a danger of bursting. Cylinders that are too hot, e.g., those that are in the vehicle in summer, must be cooled.

Before starting work and before applying foam, the substrate to be treated must be moistened with water.

Mount the canister on the gun. Mount the plastic tube on the tip of the gun. Shake the canister very well (approx. 15 to 20 times) before each use.

Observe the directions on the canister.

The canister should always be held with the valve facing downward. Operate the gun lever to dispense the foam.

The output speed and amount of foam can be adjusted by turning the screw on the back of the gun.

Start the extrusion from the furthest point and from the bottom up. Do not fill the cavity more than halfway, as the foam increases its volume more than twice as much. For best performance also moisten during and after application.

After use, tighten the screw in the back of the gun until the trigger can no longer be operated. Always store the gun with a foam canister attached. Once the canister has been started, it should be used up within 4 weeks.

When a canister is empty, carefully remove it by pulling the trigger to release the remaining gas.

Fresh foam stains can be immediately removed with GEBOFOAM D500 cleaner; this can only be done before the foam hardens. Hardened foam can only be removed mechanically.



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Important

GEBFOAM ELASTIC foam cures quickly and evenly only if the base is sufficiently moistened. Insufficient moisture and overfilled cavities could cause the foam to expand unintentionally afterwards. Joints wider and deeper than 4 cm should be filled in several layers. Allow 15-30 minutes between applications. Spray lightly with water before each application.

Protect eyes, wear gloves and protective clothing. Cover floors and furniture with paper or plastic sheeting. Use only in well-ventilated areas.

Store container upright between +5°C and +25°C.

Pressurized container! Protect from sunlight and do not expose to temperatures above +50 ° C. Do not pierce or burn, even after use.

Contains flammable propellants. Do not spray on open flames or incandescent materials. Keep away from sources of ignition. Do not smoke.

Limitations

Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates

Not suitable for applications immersed in water and for filling unventilated or insufficient moisture.

Packages

Art. CS16 - 750 ml band cylinder

Box containing 12 bottles.

Storage

In its original packaging, in a dry place out of direct light, in a cool environment at temperatures between +5 °C and +25 °C, the product has a shelf life of 12 months.

Disposal

Dispose of the product and its containers at a hazardous or special waste collection point.

Technical data

(measured at a temperature of +20°C and 50 % relative humidity)

Base	polyurethane
Application temperature	-10 °C to +35°C
Skin formation time	10-15 min
Cuttable	30 min
Closed cells	70 %
Complete curing	24 h
Yield	40 l
Dimensional stability	≤ 5%
Thermal conductivity	0.036 W/m-K
Joint sound absorption	62 dB
Air permeability	1050 Pa
Water absorption (Wp)	0.15 kg/m2
Water vapor diffusion, resistance factor (μ)	13
Temperature resistance	-40°C to +90°C
Building material class (DIN 4102)	B3
Color	Light yellow



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Guarantee

G&B Fissaggi Srl guarantees the inalterability of the product within the limits of its shelf life. Our responsibility can in no case go beyond what is set forth in our Conditions of Sale.

G&B Fissaggi Srl is not liable under any circumstances for accidental or consequential damages.

Responsability

This information and our technical indications correspond to our knowledge and experience without, however, constituting our guarantee as to the final results or liability arising from any legal relationship. Indeed, in view of the multiplicity of materials and conditions of handling and storage, as well as of production and conditions of use, all the above information and indications must be checked in advance by the user according to his specific circumstances of use.