



Polyurethane foam for gun use with safety valve

- **Fire resistant up to 240 min**
- **Fire reaction B1 according to DIN 4102-1**
- **Safety valve**

GEBFOAM B1 is a self-expanding single-component polyurethane foam, red coloured, which hardens due to moisture in air. The propellant mixture is free of CFC, HFC and HCFC.

Application fields

GEBFOAM B1 is specific for all building applications that require fire resistance. It is particularly suitable for fire doors, door and window frames, sealing of pipes and cables passages through walls, cracks, in roof construction, in floor walls, gluing of insulating materials, filling of cavities.

It has been tested in linear joints and, in use together with sealant Gebosil Acrilico Antifuoco EI 240 (Art. SILAC10), reaches a fire resistance of up to 240 minutes in joints of different sizes.

Characteristics

GEBFOAM B1 complies with fire prevention specifications, as it's classified EI240 in fire resistance test and B1 in fire reaction test.

The uniform cellular structure, mainly of closed cells, the dimensional stability and the mechanical properties make the product ideal for fixing, insulating and sealing.

It has excellent adhesion to all the most 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 +5 °C up to +35 °C.

Once hardened it is resistant to microorganisms and moulds and has excellent resistance to chemical agents. It can be drilled, cut, plastered and painted. GEBFOAM B1 is waterproof and resists to temperatures between -40 °C and +90 °C and to ageing.

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

The thermal and soundproofing features are excellent.

Preparation

Surfaces must be firm, clean, and free from dust and grease. Before starting work, remove loose particles. It may be necessary to strengthen the base deeply using suitable primers. Also prepare D500 detergent.

Ideal application temperature is around +20 °C. Cylinders that are too cold must be heated in lukewarm water. The temperature must never exceed +50 °C, otherwise there is danger of explosion. Cylinders that are too hot, e.g. those that were in a vehicle in summer, must be cooled.

Before starting work and before applying the foam, **moisten the surface with water.**

Mount the cylinder on the gun. Fit the plastic tube on the tip of the gun. Shake the cylinder thoroughly (about 15 – 20 times) before each use.

Follow the instructions on the cylinder.

The cylinder must always be kept with the valve pointing downwards. Operate the gun lever to dispense the foam. Output speed and amount of foam can be adjusted by turning the screw on the back of the gun.

Start extrusion from the farthest point and from the bottom to the top. Do not fill the cavity more than one half, as the foam increases its volume more than twice. Moisten also during and after application to obtain an excellent yield.

After use, tighten the screw in the back of the gun until one can no longer operate the trigger. Always store the gun with a foam bottle attached. Once the cylinder has been opened, it must be consumed within 4 weeks.

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

Fresh foam stains can be removed immediately with GEBFOAM D500 detergent; this operation can be performed only before the foam hardens. The hardened foam can only be removed mechanically.

