

TECHNICAL DATA SHEET

GEBOFOAM CS02 Professional polyurethane foam for gun application

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GEBOFOAM gun CS02 is a polyurethane foam for gun extrusion, it's single-component and self-expanding and hardens due to moisture in air.

Properties

- High quality professional polyurethane foam
- Good thermal performance
- High tensile, compressive and shear strength

Fields of application

GEBOFOAM gun CS02 is used for mounting and insulation, to fill gaps around window frames, construction parts, partitions, ceilings, floor joints, passage holes for pipes and tubing through walls and floors.

It has excellent adhesion to concrete, plaster, masonry, wood and many plastics such as EPS and XPS, rigid polyurethane and PVC.

Application

The uniform cellular structure, mainly with closed cells, the dimensional stability and the mechanical properties are such as to make the product ideal for fixing, isolating and sealing.

It has excellent adhesion to all the most common materials used in construction, both smooth and porous: wood, concrete, plaster, metals, plastics (except polyethylene, Teflon and silicone). The foam can be installed at temperatures of +5 °C to +30 °C (recommended between +15 °C and +25 °C).

Once hardened it's resistant to microorganisms and moulds and has excellent resistance to chemical agents. It can be drilled, cut, plastered and painted. GEBOFOAM gun CS02 is waterproof and resists temperatures between -40 °C and +90 °C and ageing.

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

It guarantees good thermal and acoustic insulation.



Preparation

The substrates must be solid, clean and free from dust and grease. Before starting work, loose parts must be removed. If needed, it may be necessary to solidify the substrate in depth using suitable primers. Also prepare the D500 cleaner.

The ideal application temperature is about +20 °C. Too cold cylinders should be heated in warm water. The temperature must never exceed +50 °C, otherwise there is a danger of explosion. Cylinders that are too hot, e.g. those that remained in a vehicle in summer, must be cooled.

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

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

Observe the instructions on the cylinder.

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

Start the extrusion from the farthest point and from the bottom up. Do not fill the cavity more than one-half, as the foam increases its volume to approximately double. To obtain an excellent yield, also moisten during and after application.

After use, tighten the screw at the rear of the gun until you can no longer pull the trigger. Always store the gun with a foam bottle attached. Once the cylinder has been started, it will need to be used up within 6 weeks. When a cylinder is empty, remove it carefully, pulling the trigger to release the remaining gas.

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

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Important

Foam GEBOFOAM gun CS02 hardens quickly and evenly only if the ground is sufficiently moistened. Insufficient humidity and overfilled cavities could cause the unwanted later expansion of the foam. Joints wider and deeper than 4 cm need to be filled in several layers. Wait for the foam to harden completely between applications. Before each application, spray lightly with water.

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

Store the container in an upright position between +5 °C and +25 °C.

Pressurized container! Protect from sunlight and do not expose to temperatures exceeding +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 non-ventilated areas or with insufficient humidity.

Packaging

Art. CS02 – 750 ml tin plate cylinder

Box containing 12 cylinders.

Storage

In its original packaging, in a dry place away from direct light, in a cool environment at temperatures between +5 °C and +25 °C, the product has a shelf life of 18 months. Keep cylinders upright.

Disposal

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

Technical characteristics

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

Base	polyurethane
Colour	yellow
Application temperature	from +5 °C to +30 °C
Skin formation time	8-12 min (FEICA TM1014)
Cuttable	20-40 min (FEICA TM1005)
Complete hardening	24 h
Closed cells	about 70 %
Yield	40-45 litres (FEICA TM1003)
Density	18-25 kg/m ³
Dimensional stability	between -5% and 0% (FEICA TM1004)
Thermal conductivity	35-40 mW/m·K
Sound absorption of the joint	about 60 dB
Temperature resistance	from -40 °C to +90 °C
Building material class (DIN 4102-1)	B3



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Warranty

G&B Fissaggi Srl guarantees the durability of the product within the limits of its shelf-life. Our responsibility can not under any circumstances go beyond what is laid down by our Conditions of sale.

G&B Fissaggi Srl is not responsible under any circumstances for accidental damage or damage consequent to accidental events.

Responsibility

These information and technical indications match our knowledge and our experiences but do not constitute warranty in relation to the final results or liability arising out of any legal relationship. Considered the variety of materials, conditions of handling and storage, as well as of conditions of production and use, all information and directions above shall be verified by the user according to their specific circumstances of use.