

EXFOAMGGSILOGF TECHNICAL DATA SHEET

EXFOAMGGSILOGF - Siloxa Gun Grade Expanding Foam Gap Filler

One-component, ready to use polyurethane gun foam for various building applications, e.g. sealing of joints and penetrations, thermal and acoustic insulating, installation of window and door frames. Very low curing pressure and moderate post expansion avoid deformation of building elements. Adheres well to most materials such as wood, concrete, stone, plaster, metal, PVC and polystyrene.

Main benefits

- Very low curing pressure and moderate post expansion avoid deformation of building elements
- High thermal and acoustic insulation value

Fields of application

- Installation of window and door frames
- Sealing and connection of joints
- Sealing of thermal and acoustic insulation boards
- Insulation of penetrations
- Reducing the impact of thermal bridges

Application instruction**Application temperature**

Air temperature during use: +5 °C to +30 °C, best results at +20 °C.

Can temperature during application: +5 °C to +25 °C, best results at +20 °C.

Surface preparation

Remove dust, loose particles and grease from the surfaces. Moisten dry substrate to ensure better results. Protect adjacent surfaces with paper, plastic film or other suitable material.

Application method

Shake the can vigorously at least 20 times. Hold the foam can in upright position, turn the gun to the can by holding the gun handle with one hand, and turn the can with the other hand. Make sure that the gun is not pointed at other people when turning it. The can must not be screwed to the gun with the valve upside down or by turning the gun on the can. Turn the can upside down and start applying. The foam output can be adjusted by the gun trigger.

When applying foam in layers moisten slightly between each layer.

Cleaning

Uncured foam can be removed with acetone, cured foam with mechanical means.

Technical data

Properties	Value	Unit
Tack free time (TM 1014)	6-10	min
Cutting time (TM 1005)	<30	min
Completely cured in joint, 3x5cm (+23 °C)	<8	h
Curing pressure (TM 1009, moistened surfaces)	<1	kPa
Post expansion (TM 1010)	<80	%
Density in joint, 3x10cm (WGM106)	15-19	kg/m ³
Dimensional stability (TM 1004)	<1	%
Temperature resistance of cured foam	-50...+90	°C
Fire class of cured foam (DIN 4102-1)	B3	
Tensile strength / elongation (TM 1018, dry surfaces)	>80 / 22	kPa / %
Tensile strength / elongation (TM 1018, moistened surfaces)	>60 / 22	kPa / %
Compression strength (TM 1011, moistened surfaces)	>5	kPa
Shear strength (TM 1012, moistened surfaces)	>20	kPa
Thermal conductivity (EN 12667, TM 1020)	0,033	W/(m·K)
Sound reduction index R _{st,w} (EN ISO 10140)	60	dB
Yield	Ca 37	l
Water vapour permeability (EN 12086)	<0,06	mg/(m·h·Pa)

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Storage and shelf-life

Guaranteed shelf life is 12 months from production date if stored in unopened packaging in a cool and dry place at +5 °C to +30 °C. The foam cans must not be stored above +50 °C, nor near to heat sources nor in direct sunlight. Store and transport in a vertical position.

Limitations

The foam does not adhere to Teflon, polyethylene and silicon surfaces. Cured foam is sensitive to UV-light and direct sunlight and therefore must be covered with suitable opaque sealant, filler, paint or other material.

Safety regulations

Use only in well-ventilated areas. Do not smoke during application! Use protective gear when necessary. Keep out of the reach of children. See label and safety data sheet for more information.

Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application. Manufacturer reserves the right to modify products without prior notice.