

Flexfoam Gun 644

One component, general purpose gun applied polyurethane foam



Description

Flexfoam Gun 644 is a ready to use, one component polyurethane foam which is applied using a polyurethane foam applicator gun.

Flexfoam Gun 644 is designed to have a low curing pressure as well as moderate expansion characteristics in order to avoid the deformation of building elements.

Applications

- ▲ Sealing and filling of holes, gaps, joints, cavities and penetrations.
- ▲ Sealing of window and door frames.
- ▲ Sealing the joints between adjacent thermal insulation and acoustic boards.
- ▲ Reducing the impact of thermal bridges.

Advantages

- ▲ Excellent adhesion strength to all common construction substrates such as wood, concrete, stone, plaster, metal, PVC and polystyrene.
- ▲ Low thermal conductivity characteristic, enhances the performance of insulation boards when filling the gaps between them.
- ▲ Good volume expansion for effective filling.
- ▲ Low curing pressure avoids deformation of building elements.
- ▲ Provides a stable dimension upon curing.

Limitations

- ▲ Flexfoam Gun 644 cannot be used on Teflon, polyethylene and silicone surfaces.
- ▲ Do not leave the cured material exposed to UV radiation.
- ▲ Flexfoam Gun 644 should be applied at ambient temperatures between 5 to 30°C.

Method of Use

Surface Preparation

Surfaces must be sound, clean, and free of oil and grease. Dry substrates must be moistened by spraying a small amount of clean water prior to the application.

Technical Properties @ 23°C:

Density:	17 ± 2 kg/m ³
Tack-free time:	8 ± 2 min
Cutting time:	25 ± 5 min
Full curing time:	≈ 8 hr (3 x 5 cm joint)
Post expansion:	80 ± 10%
Service temperature:	-50°C to 90°C
Tensile strength:	≥ 75 kPa (dry surfaces)
TM 1018	≥ 55 kPa (moistended surfaces)
Elongation:	≥ 20% (dry surfaces)
TM 1018	≥ 20% (moistended surfaces)
Compression strength:	≥ 4 kPa (moistended surfaces)
TM 1011	
Water vapour permeability:	≤ 0.08 mg/(m.h.Pa)
EN 12086	
Thermal conductivity:	≤ 0.035 Watt/m.k
EN 12667	
Sound reduction index:	60 ± 2 dB
ISO 10140	
Fire Index:	Class B3
DIN 4102-2	

Application

Shake Flexfoam Gun 644 well before using (i.e. at least 20 times), then attached the aerosol can onto the applicator gun 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 persons when turning it. Turn the can upside down and start the application.

The discharge rate can be controlled by controlling the pressure on the trigger of the gun. When applying foam in layers moisten slightly between each layer.

Cleaning

Clean tools and equipment with acetone before the foam has completely cured. After curing, Flexfoam Gun 644 shall be cleaned mechanically.

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Packaging

Flexfoam Gun 644 is available in 640 ml aerosol can.

Storage

Flexfoam Gun 644 has a shelf life of 12 months from the date of manufacturing if stored in unopened packaging in a cool and dry place at +5°C to +30 °C away from direct sunlight, snow and rain.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and Safety

Apply in well-ventilated areas. Do not smoke. Do not apply near naked flames. In closed areas use forced ventilation systems and carbon active masks. Use protective clothing and gloves.

For further information refer to the Material Safety Data Sheet.

Fire

Flexfoam Gun 644 is flammable.

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- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
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Note:

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