

SealPrem Sprayable Insulating Foam

Product Description

One-component, ready to use sprayable polyurethane foam for insulation of buildings, vehicles, vessels and uneven surfaces. Application of the foam is very convenient and fast with the accompanying special nozzle. Adheres well to most materials like wood, concrete, stone, plaster, metal, PVC and polystyrene.

Features

- <0,1% diisocyanates
- High thermal and acoustic insulation value
- Enhanced UV resistance
- Thickness of insulation layer is freely selectable
- Quick and easy application
- Excellent adhesion to all commonly used building materials
- Good movement capability

Typical Applications

- Thermal and sound insulation of buildings, vehicles, vessels, uneven surfaces, etc.
- Insulation repair works and insulating hard to reach places
- Reducing the impact of thermal bridges
- Prevention of condensation on cold surfaces

	Value
Colour	White
Package	1000ml aerosol can, 700ml content
Tack free time (EN 17333-3)	<30min
Rise time	<15min
Fully cured (+23 °C)	24h
Post expansion (EN 17333-2)	100%
Density	12-16kg/m ³
Short term temperature resistance of cured foam	-50°C to +70°C
Reaction to fire classification (EN 13501-1)	F
Fire class of cured foam (DIN 4102-1)	B3
Thermal conductivity (EN 12667, EN 17333-5)	0.033 W/(m·k)
Sound reduction index R _{st,w} (EN ISO 10140)	62 dB
Output (1 layer)	1m ² /can

Application Instructions

Application conditions:

Air temperature during use: +10°C to +30°C. Make sure the ambient temperature stays within this range until the foam has fully cured.

Can temperature during application: +18°C to +28°C, best results at +20°C.

Surface preparation:

Remove dust, loose particles and oil stains from the surfaces. Protect adjacent surfaces with paper, plastic film or other suitable material. If needed add additional shield outside for weather protection (against rain, wind, etc.).

Application method:

Attach the application nozzle to the tip of the foam gun. Shake the can vigorously at least 20 times. Remove the cap. Hold the foam can in upright position with valve up. Screw the can tightly to the gun by holding the gun handle with one hand and turning the can with the other hand. Do not aim the gun at people. Avoid screwing the can to the gun with valve upside down. Do not screw the gun to the can. Do not bend or turn the can during screwing. Rotate the nozzle as needed (for vertical or horizontal application). Hold the can upside down when extruding the foam. Foam output can be adjusted with gun trigger and adjustment screw.

Apply the foam from distance of approx. 40cm from the surface. The application distance determines the width of the application area – the shorter the distance, the narrower the application area. Maximum thickness of the foam in one layer should not exceed 2cm. If another layer of foam is needed, wait for at least 60 minutes before applying the next layer. Number of layers is not limited. When applying foam in layers moisten slightly between each layer, but make sure there are no water drops on the surface before applying foam.

Excess foam can be cut after it has fully cured.

Cleaning:

Use Foam Cleaner to clean tools and surfaces from uncured foam. Hands, clothes and foam gun can also be cleaned from uncured foam with Cleaning Wipes. Remove cured foam mechanically after softening with Foam Remover.

Storage conditions and shelf life

Guaranteed shelf life is 12 months from production date if stored in an unopened packaging in a cool and dry place at +5°C to +30°C. Do not expose to temperature over +50°C, do not keep near heat sources or in direct sunlight. Store and transport in upright position. Secure cans before transport.

Limitations

- PU foam lacks adhesion to Teflon, polyethylene and silicone surfaces.
- Cured foam is less sensitive to UV-light and direct sunlight than other conventional one-component polyurethane foams. It is recommended to cover the cured foam with suitable opaque sealant, filler, paint or other material to ensure lasting quality features. Do not cover before foam has fully cured.
- Do not use in places with long-lasting direct contact with water as this reduces thermal insulation properties.
- Spray nozzle is compatible with most foam guns. Always check compatibility before choosing the foam gun.
- Please observe the expiration date!

Safety regulations

Pressurized canister. Use only in well-ventilated areas. When using indoors, ventilate the room after application of foam. Do not smoke during application! Use protective gear when necessary. Keep out of the reach of children. See label and safety data sheet (SDS) for more information.

Technical classification and certificates

M1 - low emission & odour.

Please note: The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. May 2024

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