

EXPERT LINE PU HAND HELD FOAM WINTER

PRODUCT DESCRIPTION

One-component polyurethane foam Expert Line with straw applicator designed for professional installation, sealing and soundproofing.

The product has very good adhesion to most materials used in the construction industry, such as polystyrene foam, PVC-U profiles, wood and wood-based materials, mineral surfaces (brick, concrete, gypsum), metal.

The foam does not adhere to materials such as silicone, Teflon, polyethylene and polypropylene.

APPLICATION

- › fitting doors and windows;
- › thermal insulation of water, sewage and central heating systems;
- › sealing and installation of window sills;
- › thermal insulation of flat roofs and ceilings;
- › filling gaps (up to 2 cm wide) in thermal insulation when insulating buildings.

PRODUCT PROPERTIES

- › Has excellent stability (no shrinkage).
- › Cures by moisture in the air.
- › Shows excellent thermal insulation and sound-proof parameters.
- › Resistant to mould and fungi.

Technical Data Sheet (TDS)

POLYURETHANE FOAM

TECHNICAL PARAMETERS

Colour	Light yellow
Working temperature	from -10°C to +30°C
Can temperature	from +10°C to +30°C (optimally +20°C)
Foam yield* * depends on air humidity and temperature, can temperature, quality of foam dispensing gun, worker's skills	up to 45 l
Skin formation time	6-12 min. (20°C, RH 90%)
Cutting time	45±10% [min.]
Full hardening time	24 h
Increase in height (expansion degree) of the foam applied in the gap), %	136±10%
Thermal resistance (upon hardening)	from -50°C to +90°C
Thermal conductivity λ	0,036 W/(m·K)
Water absorbability after 24 hours in water when partially immersed	≤1 kg/m ²
Inflammability	B3 (DIN 4102)
Solubility in organic solvents	acetone, before hardening

The above table is for informational purposes only

DELIVERY FORM | PACKAGE

Aerosol can, 750 ml

DIRECTIONS FOR USE

Substrate preparation:

Thoroughly clean and degrease the substrate. Remove hoarfrost in the winter season. Before application, moisten the surface with water mist to ensure better adhesion.

Product preparation:

Before use, warm the can with foam to room temperature (optimally +20°C) by, for example, immersing the can in warm water. Shake the can vigorously for 30 seconds to thoroughly mix the ingredients. Screw the straw applicator onto the can.

Foam application:

Dispense product in the upside-down working position. Fill the gap to 50% of its depth, in layers of 4 cm per layer. Moisten the surface between each layer to improve good adhesion and speed up curing. Fill vertical gaps from bottom to top. Once fully cured use a knife to cut off any excess foam. When the foam has fully cured, it should be protected from UV radiation by covering it with silicon masses, plasters, paints etc.



Technical Data Sheet (TDS) POLYURETHANE FOAM

STORAGE AND EXPIRY DATE

Store in a dry, cool and well-ventilated place, in an upright position, in the original closed container. Keep away from heat, open flames and other ignition sources. Recommended storage temperature is from +5 °C to +30 °C (optimally +20 °C). Storing the product in conditions other than recommended may result in shortening its lifetime by up to 3 months. Do not store the product in the cabin of a car. Transport only in the trunk.

Expiry date: 15 months. Store and use before the expiry date indicated on the bottom of the container.

HEALTH AND SAFETY RECOMMENDATIONS

When using this product, normal occupational hygiene rules should be followed. Keep out of reach of children. Before use, familiarize yourself with the conditions for safe use of the product on the packaging and in this technical data sheet. Detailed information on the safety of use and hazards posed by the product is included in the Material Safety Data Sheet.

With the publication of this data sheet, all previous editions become invalid. Release: 01/25

The product information contained in the technical data sheet is the result of conducted research. With regard to the possibility of using the product (point 3 of this technical data sheet), they should be treated only as recommendations resulting from the manufacturer's experience. Due to the numerous application possibilities and a wide range of work methods using the product, the Manufacturer does not bear any responsibility in this respect, and in particular is not responsible for the consequences of improper use of the product or the effects of work involving the product. Product information is valid only in its most current version.

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