

POLIFOAM

Self expanding foam for fixing and filling



DESCRIPTION:

POLIFOAM is a monocomponent ready to use polyurethanic foam which once out of the can becomes hard in contact with air humidity. The hardened foam has a mainly closed pore structure and therefore guarantees a good maintenance of heat, eliminates vibrations and noises transmission. Thanks to its high adhesive power it also guarantees a resistant joint for various types of building elements.

POLIFOAM surface can be varnished, pasted onto and plastered. It offers good resistance to ageing and temperature extremes from -55 °C to +100 °C. When completely hardened POLIFOAM is water, petrol, oil, acid, solvent, micro-organism and corrosion-proof.

APPLICATIONS:

TO FIX INSTALLATION PARTS:

- Fixes door frames (not recommended for metal frames)
- Installation of boxes for roller blinds
- Fixes electrical, plumbing and hydraulic installations.

TO FINISH OFF AND INSULATE:

- Window and door frame insulation
- Tube insulation
- Insulation from noises, heat and cold
- Gutter insulation
- Insulation of connections with roofs, tiles, asbestos, lumber, etc.

TO CLOSE UP:

- Sealing on tiles, double ceilings, chimneys, skylights
- Sealing of covered joints on construction parts of every type
- Sealing of windows of roofs.

TECHNICAL DATA:

Appearance	highly viscous liquid that becomes froth immediately after the extrusion
Chemical basis	polyurethane
Density of cured foam	23 - 35 Kg/m ³
Specific weight	about 25 Kg/m ³ (extruded)
Skin forming time	7 ÷ 8 min @ 20 °C, RH > 30 %
Curing time	1 h / RH 93 %, 18 h / 15 %, max 24 h
Dry time	45 ÷ 60 min at 20 °C
Fire class	B3 DIN 4102
Thermal stability of cured foam	-55 ÷ +100 °C
Water absorption of cured foam	max 10 %
Tensile strength	min 3 N/cm ²
Application temperature	+5 ÷ +35 °C
Heat conduction	0,036 W/m °K

Total volume extruded foam	30 ÷ 35 lt free foamed
Solubility in water	insoluble
Sound insulation at 20 °C with 32 % relative humidity	59 Decibel (dB)

HOW TO USE IT – SURFACE PREPARATION:

Shake the can well before use. The best application temperature is 20 °C (± 5 °C). If necessary bring the can to the required temperature by putting it into warm water. By pressing the valve the foam comes out of the can and within about 20 minutes from the application it forms – in contact with air humidity – a tack-free “skin”. The foamed product expands during the cure phase by about 120 % and is hard after about three hours, according to the temperature, air humidity and thickness. Once set POLIFOAM can be mechanically worked (cut, perforated, varnished). POLIFOAM adheres to nearly all surfaces such as brickwork, concrete, plaster, asbestos, wood, plywood panels and plastics (PVC and GFK).

Clean PVC and GFK surfaces with the solvent CLEAN SEAL. Porous concrete and chalk building tiles must be treated with the PRIMER. POLIFOAM does not adhere to oily, greasy or dusty surfaces as well as to polyethylene, teflon and silicone.

Moving construction elements to be attached and sealed with POLIFOAM must be fixed beforehand with props, wedges or similar during the curing phase and they should not be removed for 12 hours. Foam the products in a zig-zag line rather than in spots. The application can be interrupted at any time: valves or blocked up extension tubes can be easily cleaned with CLEAN SEAL.

PACKAGING:

- Aerosol to lose 750 ml with a special straw;
- Aerosol to lose 750 ml with a screwdriver for professional spray gun.

PRECAUTIONS FOR SAFETY AND HEALTH:

The can is under pressure. Never damage of force it open, do not heat it over 50 °C and do not spray into the open fire. Do not throw it away if it is not empty. Do not store over 20 °C. POLIFOAM is not UV-resistant. Do not expose to sun rays for prolonged time. Avoid skin contact.

