

THRAKON PU FOAM

SINGLE COMPONENT SELF EXPANDED POLYURETHANE FOAM

DESCRIPTION

A single-component (1K), moisture-curing and self-expanding aerosol polyurethane foam. Designed for easy dispensing through the straw adapter included with each can.

It does not contain any propellant gases that are harmful to the ozone layer. Suitable for filling and sealing of especially wider gaps, joints, cavities and insulating of door and window frames.

FIELDS APPLICATION

Filling and sealing of especially wider gaps, joints and cavities. Fixing and insulating window and door frames.

Filling penetrations in walls.
Insulating electrical outlets and water pipes.
Apply by hand

ADVANTAGES-FEATURES

- Excellent adhesion
- Excellent filling capacity
- High thermal and acoustical insulation value
- High yield up to 45 liters depending on temperature and humidity
- Good for filling wide caps with its high expansion rate
- Conforms to fire class B3 according to DIN 4102-1
- Mould-proof, water-proof and over paintable
- Economical consumption thanks to precise applicator

APPLICATION

Optimal can temperature is +20°C. Application (ambient) temperature must be between -2°C to +30°C. Shake the can well before use and screw the adapter on the valve/applicator gun. Hold the can upside down and activate the foam by pressing the valve.

To improve the adhesion and shorten the curing time, moisturize the surfaces and the foam. Fresh foam can be cleaned by cleaner. Cured foam can be cleaned mechanically. For better results in outdoor applications paint or coat the cured foam.

SUB-LAYER PREPARATION

The substrate must be dry, cleaned of dust, loose particles, oils etc. It is recommended the cleaning of joint with paint.

Brush or special brush and after that we blow with compressed air.

NOT RECOMMENDED

Prolonged exposure to direct sunlight (UV radiation) may cause discoloring. Do not apply on frozen, wet surfaces, or standing water. Avoid application below -2°C and above 30°C.

Should be stored and transported in vertical position. Should be kept in room temperature for at least 12 hours before the application.

PRECAUTIONS

Contains Diphenylmethane-4, 4'-Diisocyanate. Harmful by inhalation. Irritating to eyes, respiratory system and skin. If swallowed seek medical advice immediately and show the product or label. Wear suitable protective clothing and gloves. Do not breathe spray/vapor. Use only in well-ventilated areas. Keep away from direct sunlight and do not expose. Do not pierce or burn, even after use. Keep away from sources of ignition, no Smoking. The shelf life is 15 months if stored properly.

CLEANING OF TOOLS

The tools should be cleaned thoroughly as much as the material is still fresh with water. After curing of the materials, the tools are cleaned mechanically.



TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUE
Base			Polyurethane Prepolymer
Curing System			Moister Cure
Specific Gravity	(Kg/m ³)	(ASTM D1622)	22±3
Tack-free time (1 cm width)	(min)	(ASTM C1620)	7±3
Cutting Time (1cm width)	(min)	(ASTM C1620)	30-45
Cure Time	(Hours)		24
Foam Color			Light Yellow
Yield	(L)	(ASTM C1536)	30-45
Fire Class of the Cured Foam		(DIN 4102 -1)	B3
Thermal Conductivity	W/m.k at 20°C	(DIN 52612)	0.036
Compression Strength	(MPa)	(DIN 53421)	0.03
Tensile Strength		(ISO1926-79)	11.7 ±0.8
Dimensional Stability	(%)	(ISO2796-86)	±10
Water Penetration		(ISO2896-87)	0
Water Absortion	(%)	(DIN 53428)	max. 1vol%
Can Temperature	(°C)		+5 to +30°C
Temperature Resistance	(°C)		-40 to +80°C
Application Temperature	(°C)		-2 to +30°C
Shelf life	(Months)		15

Note: The measurements were taken in laboratory environment under a temperature of +23°C, Relative humidity 50 % and without ventilation. It is possible for them to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, absorbability of the substrate.

The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and under the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.