

TP PU FOAM – B3

HAND HELD



PROPERTIES

- TP PU FOAM B3 is a one-component polyurethane foam designed for installing windows, doors and filling of construction openings, insulating
- Cures when exposed to air humidity
- Fully hardens within 1.5–5 hours and becomes non-sticky 5–10 minutes after application
- Bonds effectively to a variety of construction materials, such as wood, concrete, aerated concrete, brick, metal, glass, and aluminum
- Expands to 2–3 times its original volume after application
- Once hardened, the foam provides a strong seal and superior insulation properties
- Protect the foam from UV light upon project completion
- Application requires the use of a mounting adapter

TESTS AND CERTIFICATES

GEV-EMICODE

EC-1 PLUS (very low emission)

APPLICATION AREAS

Widely utilized in the construction industry for tasks like installing windows and door frames, filling gaps in structures, and providing insulation

Facilitates quick filling and effective sealing to protect against cold air, drafts, and noise

Also ideal for thermal insulation in plumbing and heating systems, as well as for mounting electrical and ventilation installations, among other applications

GUIDELINES FOR USAGE

Before using, thoroughly shake the can while keeping the valve pointed downward. Remove the protective cap and securely attach the nozzle with the tube. Turn the can upside down and press the valve to release the foam, ensuring the can remains vertical with the valve facing down for optimal efficiency. If work is interrupted, clean the can and tube immediately, as hardened foam can only be removed mechanically. Ensure that surfaces are clean, free of dust and grease, and lightly moisten them with water before applying the foam. The can should ideally be used at a temperature of 20–25°C; if the temperature

is lower, immerse the can in warm water (up to 40°C) for approximately 20 minutes. When filling larger gaps exceeding 5 cm, apply the foam in layers, allowing each layer to harden before proceeding with the next. Once the foam has fully hardened, trim the excess with a sharp knife and continue with finishing work, such as plastering, sealing, gluing, or repainting.

TECHNICAL DATA

Volume:	EN 17333-1	33–38 l (freely foamed) (750 ml)
Foam density:	EN 17333-1	20–25 kg/m ³ (freely foamed)
Application temperature:		min. +5°C (surface), 20–25°C (can)
Tack free time:	EN 17333-3	5–10 min.
Cutting time:	EN 17333-3	25–30 min.
Hardening time		1.5–5 hours, depending on temperature and humidity
Temperature resistance:		–40°C to +90°C
Dimensional stability:	EN 17333-2	max. ± 5 %
Water absorption:	DIN 53428	max. 1 vol.%
Compression strength:	EN 17333-4	0.04–0.05 MPa
Tensile strength:	EN 17333-4	0.12–0.14 MPa
Elongation at break:	EN 17333-4	20–25%
Thermal conductivity:	EN 17333-5	0.039 W/(m K) at 20°C
Flammability class:	EN 13501-1	F

PACKAGING

750 ml, 300 ml aerosol can

STORAGE

The storage life is up to 18 months when kept at temperatures between +5°C and +25°C. Brief exposure to lower temperatures, such as during transport, is acceptable. However, higher temperatures can reduce the shelf life. Ensure that the cans are stored in an upright position.

HEALTH, SAFETY, HANDLING AND DISPOSAL INFORMATION

Refer to the safety data sheet for detailed information on safe usage, handling, and disposal. Safety data sheet is available upon request.

WARNING

Recommendations in this document are based on our research and experience. Due to specific conditions and methods of use, preliminary testing is advised before applying the product.