

FAST POLYURETHANE ASSEMBLY FOAM – MANUAL OR GUN GRADE

STRUKTORR PRO MONTAGE FOAM

One-component fast polyurethane foam with moisture curing, for installation and insulation in construction. **Thermal and acoustic insulation, sealing and bonding** – fills joints, engineering holes, cracks and cavities.



DESCRIPTION

Struktur Pro Montage foam is one-component polyurethane foam that expands and cures with atmospheric humidity. Designed for insulation and installation in construction – particularly suited to insulation, soundproofing, sealing, moisture protection and dust-proofing. It fills joints, engineering holes and various cracks. When installing wooden doors, strictly follow wooden-door installation specifications.

RECOMMENDED FOR

- Door installation
- Installation of frames and windows
- Sealing around casings and frames
- Filling openings, joints and cavities
- Sealing around pipes, ventilation systems and cables
- Thermal insulation of hard-to-reach areas
- Filling cracks in walls and masonry
- General assembly, insulation and repair work

FEATURES & BENEFITS

- Excellent thermal and acoustic insulation
- Good adhesion to most substrates (except PTFE, PE, PP)
- Strong self-expansion – precise control with the gun
- Fast curing – surface-skins in 10 min
- Workable (cutting/sanding/painting) after 60 min
- Absorbs impact and vibration
- Non-toxic once cured.

APPLICATION PROCEDURE

Surface preparation

- Surfaces must be clean – free from grease and dust.
- Moisten the substrate (spray with a little water) before foaming; for multi-layer application, mist each layer. Required humidity $\geq 45\%$.

Application

1. Shake the can vigorously at least 10 times.
2. Invert the can and screw it onto the gun/adaptor; open the valve by turning it counter-clockwise.
3. Fill vertically from the bottom up, to about 3/4 of the joint volume – the foam expands to fill the rest.
4. Initial cure in ~10 min; can be worked after 1 hour.
5. Trim excess foam and protect the surface with plaster, mortar, paint or another suitable material.
6. Cured foam is not UV-resistant – always overcoat it with cement mortar or another suitable material.

LIMITATIONS

- Application temperature: +5 °C to +35 °C. Does not bond to polyethylene (PE), polypropylene (PP), PTFE (Teflon), silicone and bituminous substrates. Requires minimum relative humidity of 45 % – cures from atmospheric moisture, do not use in fully enclosed spaces.
- Do not use on food-contact surfaces without prior compatibility testing. Cured foam is not UV-resistant – cover it.
- Not a substitute for mechanical fastening where required by design.

YIELD & COVERAGE

- Fill joints to ~3/4 – allow for expansion.
- Recovery after 25% compression (10 min): 100%.

PACKAGING & STORAGE

Packaging	Aerosol can · cartons of 12 · store upright.
Manufacturer	Struktur Pro Bulgaria Ltd.
Colour	White, yellowish. Other colours available
Shelf life	Best performance within 12 or 18 months (see can label) of production, in the closed, correctly stored original can.
Storage	Cool, dry place (18–22 °C), away from direct light and below 50 °C. Out of reach of children and away from ignition sources. Store the can upright.

Warnings. Pressurised aerosol – do not pierce or burn, even after use; keep below 50 °C and away from sunlight and ignition sources. Do not store in the passenger compartment of vehicles and avoid impact during transport. Ensure good ventilation; do not smoke. Cured foam is not UV-stable and must be overcoated.

TECHNICAL SPECIFICATIONS

Property	Value	Test method / note
Base	One-component polyurethane	—
Cure	Moisture cure	Atmospheric humidity
Colour	White / yellowish	—
Density	≈ 15 kg/m ³	—
Volume expansion	—	depends on can volume, application method and ambient conditions
Surface-skin time	10 min	—
Workable (cutting/sanding/painting)	after ~40 min	—
Application temperature	+5 to +35 °C	Optimal +18...+25 °C
Min. application temperature	+5 °C	—
Min. storage temperature	-10 °C	Can
Service temperature (cured) – long-term	-30 to +80 °C	—
Service temperature – short-term	-40 to +120 °C	—
Thermal conductivity	0.048 W/m·K	—
Adhesion (aluminium)	74 kPa	Substrate requires pre-treatment
Dimensional stability, %	2.2	—
Recovery after 25% compression (10 min)	100%	—
Water permeability	None	—
Corrosion resistance	Yes	—
Toxicity after curing	None	—

Technical data are approximate, based on 23°C air temperature and 50% relative humidity.

The information above reflects our current knowledge and is given in good faith. None of our instructions or specifications relieves the user of the duty to verify the product's suitability for the intended use by adequate testing. However, because we have no control over where and how products are used or applied, we can not accept any liability, arising from the use of the products. Struktor Pro Bulgaria Ltd. reserves the right to change product properties at any time. Always refer to the current version of this Technical Data Sheet.