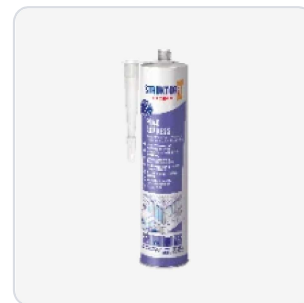


ONE-COMPONENT POLYURETHANE CONSTRUCTION & AUTOMOTIVE SEALANT

STRUKTORR PRO PU40 EXPRESS

One-component, medium-hardness polyurethane sealant for construction and automotive work. **Fast-cure, paintable,** permanently elastic and waterproof once cured.



DESCRIPTION

Struktorr Pro PU40 Express is a one-component, medium-hardness polyurethane sealant for general construction and automotive work. It cures fast, stays permanently elastic, resists weather, UV and chemicals, becomes waterproof once cured, and can be overpainted.

RECOMMENDED FOR

- Indoor and outdoor
- All sealing and bonding applications in construction
- Assembly and sealing of concrete, metal, wood, PVC and betopan elements
- Assembly and insulation of sandwich panels on roofs and façades
- Cars, automotive manufacturing, containers, campers, caravans, trucks
- Industrial floor joints, roof and terrace expansion joints, and parapet corner joints

COMPLIANCE & STANDARDS

EN 15651-1 (façades)

EN 15651-4 (pedestrian areas)

Class 25HM

APPLICATION PROCEDURE

Surface preparation

- Surfaces must be clean and dry – free from oil, dust and rust.
- Remove any previously applied sealant by mechanical means.
- Mask the boundaries of the application area; remove the tape immediately after applying.
- A primer may be required on some surfaces to improve adhesion.

Method

1. Insert the cartridge into the caulking gun.
2. Apply in one continuous pass, in one direction, with steady pressure to fill and seal the joint.
3. Because of the smooth consistency, dry tooling is recommended.
4. Remove the masking tape.
5. Clean excess from surfaces; once cured, remove only mechanically.

JOINT DESIGN

- Minimum bonding joint width: 2–10 mm.
- Sealing joint width: 6–20 mm.
- Up to 12 mm, depth:width ratio 1:1 (min 6 mm); wider joints, depth = width / 2.
- Use a PE backer rod to set the depth and prevent three-sided adhesion.

PACKAGING & STORAGE

- Packaging** 280 ml cartridge · cartons of 12
- Colours** White, black, grey, brown (special colours on request)
- Shelf life** Best performance 18 months from production, in the closed, properly stored original package.
- Storage** Cool, dry conditions, +5°C to +25°C.

Warnings. Do not use in fully enclosed cavities — it cures with air humidity. Overpaintable, but paint may crack as the joint moves. Prolonged UV exposure may cause discolouration.

TECHNICAL SPECIFICATIONS

Property	Value	Method
Appearance	Polyurethane paste	—
Cure system	Moisture cure (atmospheric humidity)	—
Density	1.16 ± 0.05 g/cm ³	—
Application temperature	+5 to +35 °C	—
Service temperature	−30 to +90 °C	—
Tack-free time (23°C, 50% RH)	~30 min	—
Cure rate (23°C, 50% RH)	3–4 mm / 24 h	—
Hardness	40 ± 5 Shore A	ISO 868
Elongation at break	>480%	ISO 37
Elastic recovery	>80%	ISO 7389
Elastic modulus 100%	0.40 N/mm ²	ISO 8339
Sag / flow	<3 mm	ISO 7390
Water resistance	Class D4	EN 204

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.