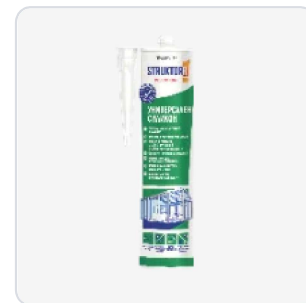


ONE-COMPONENT ACETOXY SILICONE SEALANT

STRUKTORR PRO UNIVERSAL SILICONE

Permanently elastic, general-purpose acetoxy silicone with strong adhesion to non-porous surfaces — glass, tiles, ceramics and aluminium. Cures fast to a **waterproof, mould-resistant** seal for indoor and outdoor use.



DESCRIPTION

Struktur Pro Universal Silicone is a one-component acetoxy-cure silicone with strong adhesion, especially to non-porous surfaces such as glass, tiles, ceramics and aluminium. It cures by reaction with atmospheric humidity, reaching a waterproof form within hours, and remains permanently elastic. UV stable — it does not crack or yellow — and resists mould and fungus, making it ideal for wet areas.

RECOMMENDED FOR

- General sealing, indoor and outdoor
- High-humidity areas — bathrooms and kitchens
- Shower stalls, bathtubs and sinks — sealing during and around assembly
- Tile joints that may contact water
- Glass mounting and assembly work

FEATURES & BENEFITS

- Single component, easy to apply
- Mould and fungus resistant
- UV resistant — does not crack or yellow
- Cures fast; waterproof within hours
- Excellent adhesion to many building materials
- Strong bond to non-porous tiles, ceramics and glass

COMPLIANCE & STANDARDS

ISO 11600 · Type S

EN 15651-3 (sanitary joints)

EN 15651-1 (façades)

APPLICATION PROCEDURE

Surface preparation

- Surfaces must be sound, clean and dry — free from oil, dust and rust.
- Remove any previously applied filler by mechanical means.
- Mask around the joint; remove the tape immediately after tooling.
- Non-porous surfaces (tiles, ceramics, glass) need no primer; some painted or synthetic surfaces may.

Method

1. Place a polyethylene backer rod sized to the joint to prevent three-sided adhesion and set the depth.
2. Insert the cartridge into the caulking gun and fill the joint in one pass, without gaps.
3. Tool the surface smooth with a suitable spatula before a skin forms; remove the masking tape.
4. Clean uncured silicone with a suitable cleaner; once cured, it can only be removed mechanically.

JOINT DESIGN

- Joint width: 6–20 mm.
- For widths up to 12 mm, apply 6 mm deep.
- For wider joints, width should be about 2× the depth.
- Use a PE backer rod matched to the joint width.

PACKAGING & STORAGE

- Packaging** 280 ml cartridge · cartons of 24
- Colours** Transparent, white, black, grey, brown, anthracite (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. Releases acetic-acid vapour while curing — ventilate closed, humid areas. Not for porous surfaces (concrete, marble, granite), for surfaces in contact with food or drinking water, as aquarium silicone, or for mirror mounting. Cures only with air humidity; will not cure in fully sealed cavities. Does not hold paint.

TECHNICAL SPECIFICATIONS

Property	Value	Method
Appearance	Silicone-based paste	—
Cure system	Acetoxy (atmospheric humidity)	—
Density	0.96 ± 0.01 g/cm ³	—
Application temperature	+5 to +40 °C	—
Service temperature	−40 to +100 °C	—
Tack-free time (23°C, 50% RH)	~10–15 min	—
Cure rate (23°C, 50% RH)	2 mm / 24 h	—
Hardness	18 ± 3 Shore A	ISO 868
Elongation at break	>570%	ISO 37
Extrusion rate	680 g/min	—

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. Struktur Pro Bulgaria Ltd. reserves the right to change product properties at any time. Always refer to the current version of this Technical Data Sheet.