

Product Data Sheet



STARFIX Joint Sealant

One Component, High Performance, Multi Use , Acrylic Sealant

Uses:

- Sanitary Installations (Bathtubs, Washbasins, Kitchen)
- Aluminum, Window and Door Installation
- General elastic Adhesive for various materials (Glass, Wood, Metal, Ceramics, PVC)
- Non structural Glazing

Product Description

STARFIX JOINT SEALANT is a single component, high elastomeric joint sealant based on Polyacrylate - An excellent all-purpose acrylic sealant formulated to provide a fast-setting pliable seal with minimal shrinkage. The product is designed as a multi purpose sealant to seal cracks and joints. It is recommended for sealing interior joints between walls and panels, around door frames and baseboards and also joints between bathroom features and walls.

Advantages

- Good working and smoothing properties
- Paintable with non-solvent or water-based paints after curing in static joints (i.e., around door perimeters).
- Cures at ambience – Depends on temperature and humidity.
- Neutral odor, free of solvents and silicones
- Good UV-resistance – No color fading
- No sagging (Thixotropic) – No stain

Standard Compliance

- ASTM C639
- ASTM C679
- ASTM D412
- DIN 53505 (Shore Hardness)

Technical Properties

STARFIX Joint Sealant	Typical Values @ Laboratory Conditions
Available colors	Standard Colors = White, Clear. Other colors based on request
Cure Rate (RH 50%)	Approx.. 1mm per 24h
Film Formation Time	Approx.. 10 min
Tack Free Time	Approx.. 44 – 55 min
Density	Approx.. 1.6 g/cm ³
Consistency	Stable Paste
Elongation @ break	> 100%
Application Temperature	+ 5 °C to + 40 °C
Service Temperature	- 5 °C to + 80 °C
Shore hardness @ 28 days	Approx.. 29 +/- 5

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Application

Surface Preparation

The surface should be clean, dry, sound and free from oil, grease and wax contamination. Cement laitance, loose particles, mould, release agent or curing membranes must be removed.

Contact Surfaces do not necessarily be dry – They can be humid but NOT wet.

Before positioning a bond breaker, check the joint filler to ensure it is tightly packed with no gaps or voids at the base of the sealing slot.

Avoid adhesion on 3 flanks or in the event of deeper joints use Backing Rods.

Priming

Priming is normally not required on good quality substrates.

Application

STARFIX JOINT SEALANT application should follow standard concrete joints practices; Sealants need either backing rod or joint breaker tapes to prohibit 3 point adhesion and allow movement freedom. STAR Technology refers to ACI 224.3-95 for joint design.

Standard Joint Design:

Joint Distance (m)	2	2 – 3.5	3.5 – 5	5 – 6.5	6.5 - 8
Joint Width	15	20	25	30	35
Min Joint Width	10	15	20	25	30
Joint Depth	8	10	12	15	15

Joint Size Suitability:

Joint Width	6mm to 20mm – Single Application
Joint Depth	Maximum 10mm on porous substrate and max 6mm on non-porous substrate
Width : Depth	1 : 1

Apply **STARFIX JOINT SEALANT** and smoothen it within 10 min. after application.

Pull off the masking tape in the direction of the joint before skin forms.

Curing and protection

STARFIX JOINT SEALANT forms a Skin within approx.. 10min after application and cures at a rate of approx.. 1mm per h – Tack Free condition should be reached after approx.. 1h.

Cleaning

Remove **STARFIX JOINT SEALANT** from product from tools, equipment, and mixers with STAR Solvent before the initial set. Cured material can only be removed mechanically.

Packing & Coverage

STARFIX JOINT SEALANT is packed in Standard Cartridges, 4.5 Kg or 20 Kg pails – 300 Kg Drums

Joint Size in mm	Yield in m per “Cartridge”
6 x 6	5
9 x 6	4
12 x 6	2
15 x 10	1.5
25 x 12	1

Shelf Life & Storage

The original sealed Box of **STARFIX JOINT SEALANT** has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

Health & Safety

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

STARFIX JOINT SEALANT is not considered hazardous – But contains PolyAcrylat.

For detailed information and advice on the safe handling, storage, and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological, and other safety-related data.

For complete Health and Safety instructions and information, please refer to STAR MSDS.

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Additional Information:

STAR manufactures a wide range of construction chemicals and specialty products for various applications divided into the following product sections:

1. **Waterproofing Products**
2. **Sealants, Grouts, and Joint Fillers**
3. **Adhesives**
4. **HVAC – Adhesives, Coatings & Sealants**
5. **Flooring Products**
6. **Industrial Adhesives (i.e. Paper Industry)**
7. **Accessories**

STAR Technology provides various technical information such as detailed method statements, specification clauses, application manuals and technical support both in contractors and consultant's offices as well as construction sites.

For further information on these products and systems kindly visit our website or contact your local STAR representative