



Den Braven

Technical Data Sheet

Tectane Tecflex 500

1-component moisture curing high modulus sealant



Product Description

Tectane Tecflex 500 is a professional high quality 1-component moisture curing high modulus sealant and adhesive. Tectane Tecflex 500 is a durable, easy to apply, gun grade sealant with excellent adhesion.

Benefits

- Free of isocyanates, solvents and silicone
- Excellent adhesion to most substrates
- Highly resistant to aging and weathering
- Permanent elasticity

Applications

Tectane Tecflex 500 can be used for permanent elastic sealing or bonding for steel, aluminium, zinc, copper, brass, stainless and chrome steel, plastics and ABS. For interior and exterior use.

Directions Of Use

A well-designed joint is a joint with a sufficient width so it can take and process the movement of the adjacent building elements. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width of the joint with a joint width till 10 mm is 1:1, with a minimum of 5 mm in width and depth. For joints wider than 10 mm, the ratio is 1:2 with a minimum depth of at least 10mm and a maximum of 15 mm. For further question please contact our technical service.

Additional information

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|--|----------------|-------------------|
| 100 % modulus | DIN 53504 S2 | 0,90 MPa |
| Application rate | Ø4 mm/3 bar | 100-200 |
| Application temperature | | +5°C to +40°C |
| Base | | SPUR |
| Curing time | @ +23°C/50% RH | ± 2-3 mm/24 hours |
| Density | ISO 1183-1 | 1,38 g/ml |
| Elongation at break | DIN 53504 S2 | ± 400% |
| Frost resistance during transportation | | Up to -15°C |
| Joint movement | | 20% |
| Shearing strength | ISO 4587 | ± 1,4 N/mm² |
| Shorea hardness | DIN 53505 | 55 |
| Shrinkage | ISO 10563 | <10% |
| Skin formation | @ +23°C/50% RH | 15-20 minutes |
| Temperature resistance | | -30°C to +70°C |

These are typical values

Limitations

- Not suitable for PE, PP, PTFE, soft plastics, neoprene and bituminous substrates
- Not suitable for natural stone and mirrors
- Not suitable in combination with chlorides (pools)

Surface Preparations and Finishing

Before using the Tectane Tecflex 500 refer to the Health & Safety Sheet. All substrates must be clean, dry and free of dust, grease and other loose material. Adhesion tests prior to application is recommended. Clean the substrates thoroughly by using Tectane Cleaner. Apply Tectane Tecflex 500 with a professional caulking gun. When applying avoid air entrapment. Smooth with joint nail or putty knife. Dimensions of the joint must conform to professional standards. Joint walls must be sound, clean, dry and free of oil and grease. Curing compound residues and any other foreign matter must



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be thoroughly removed. Install bond breaker to prevent bond at base of joint. Most substrates only require priming if testing indicates a need. Consult our technical service for additional information. When applying avoid air entrapment. Smooth with joint nail or putty knife. Tooling and finishing must be done before skin formation of the sealant. Apply as an adhesive in a 'ventilating' way in vertical stripes with 30cm distance in between. The use of 3mm thick double sided adhesive tape is recommended to support the adhesion during the first 24 hours and to ensure the thickness of the adhesive is correct.

Paintability

Tectane Tecflex 500 is paintable with water based and synthetic paints. We recommend testing compatibility first. When Tectane Tecflex 500 is painted over (not necessary) we recommend sanding the sealant and junction substrates with Scotch-Brite. For optimal results we recommend painting within a few days of application.

Cleaning

Cured and uncured material and tools can be cleaned by using Tectane Cleaner.

Colour(s)

- Black
- Grey
- White

Packaging


- Cartridge


For product specifications, please refer to the Product Detail Page

Shelf Life

In unopened original packaging between +5°C and +25°C, shelf life up to 15 months from production date, stored in a dry place.

Certifications

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|  | EN 15651-1: F-EXT-INT-CC 20HM |
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|  | Emicode EC1 Plus |
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Health & Safety

Product Safety Data Sheet must be read and understood before use. These are available on request and via our websites

Warranty & Guarantee

Bostik warrants that its product complies, within its shelf life, to its specification.

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