

# Uniflex marine sealant

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## FEATURES

UNIFLEX MARINE is a solvent-free, permanently elastic, high-adhesion, one-component adhesive and sealant that cures upon exposure to moisture. The compound is paste-like, has good stability, and can be troweled. Once cured, the bonded or sealed surfaces are also sandable. The compound offers excellent moisture and weather resistance, making it resistant to water (including seawater) and weak acids and bases. However, resistance to fuels and mineral oils is time-limited.

## APPLICATION

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Elastic bonding of metals (in raw, primed, or painted states), GFRP, wood, stone, and concrete. Suitable for filling and sealing joints and seams or as corrosion protection on weld seams. UNIFLEX MARINE is not suitable for bonding oil-containing woods such as teak.

### Examples of applications:

- Deck and hull fittings
- Rub rails
- Mast collars
- Fittings
- Deck seams
- Bulkhead bonding
- Coaming sealing
- Laying of plastic deck coverings
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**Note:** UNIFLEX MARINE is not optimally suited for permanent use underwater.

## PRODUCT DATA

- Chemical Characterization: Silane-terminated polymer (STP)
- Content: 310 ml cartridge
- Color: white, black
- Density: 1.59 g/cm<sup>3</sup>
- Shore A Hardness: 46
- Curing: approx. 3 mm (on the first day)
- Elongation at Break: approx. 220%
- Tensile Strength: approx. 1.8 N/mm<sup>2</sup>
- Tear Resistance: approx. 12 N/mm<sup>2</sup>

- Temperature Resistance: -40°C to +90°C, briefly up to +120°C
- Storage: Do not store above +25°C for extended periods

### PROCESSING

The substrate must be dry, clean, and grease-free. The surface and processing temperature should be between +5°C and +25°C. Adhesion and compatibility with plastics and paints must be tested on a case-by-case basis. Adhesion to duro- and thermoplastics (except PE, PP, and PTFE) is also good. Cut the plastic tip at an angle according to the desired application thickness, and apply the compound with a standard manual caulking gun. Seal the cartridge airtight after use, as the opened cartridge has limited shelf life. The UNIFLEX MARINE bead can be shaped and smoothed with a wet tool (spatula, finger with protective glove) before skin formation without tearing the compound.

**Bonding:** Apply the material with a spatula or directly from the cartridge to the substrate. The layer thickness depends on the properties of the materials to be bonded. Position the counterpart within 10 minutes and press it firmly. Due to the consistency of UNIFLEX MARINE, it is recommended to fix the bond until curing is complete. The curing speed depends on layer thickness, temperature, and humidity. Clean tools immediately after use.

### PRECAUTIONS

For information on handling the products and disposal, please refer to the valid safety data sheet and the relevant information sheets of the Chemical Industry Employers' Liability Insurance Association. The above information, particularly the suggestions for processing and using our products, is based on our knowledge and experience under normal conditions. Due to the different materials, substrates, and varying working conditions, no guarantee of a work result or liability, regardless of the legal relationship, can be derived from these instructions or from oral advice unless intent or gross negligence can be attributed to us. The user must prove that they have transmitted all the necessary knowledge required for proper and successful evaluation in writing, timely, and completely to us. Third-party rights must be observed. Furthermore, our respective sales and delivery conditions apply. The latest technical data sheet, which should be requested from us, applies.

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