

Product Information:

Marine Bond & Seal 541

Phthalatefree construction adhesive**General description and application:**

Marine Bond & Seal 541 is a neutral, odorless, moisture curing adhesive, free of solvents and phthalates. Forms a strong but still elastic joint that can absorb any movement between building sections.

Marine Bond & Seal 541 can be used for in- and outdoor application on wall, roof and floor. Suitable for mounting of mirrors, panels and different types of construction details

Marine Bond & Seal 541 adheres to a wide selection of materials; wood, glass, concrete, bricks, fibre glass, painted surfaces, Perspex, PVC and most types of metal and rubber.

Marine Bond & Seal 541 has an excellent resistance to climatic influences.

The Marine Bond & Seal 541 is tested and fulfils the standards:

Item No (Standards): MED/3.18e
Solas 74, Reg. II-2/3,II-2/5,II-2/9 & X/3
IMO MSC/Circ. 1120
2000 HSC Code 7
IMO 2010 FTP Code

Verified by DNV-GL in MED-D Certificate MEDD0023U and MED-B Certificate MEDB00006Z4

**Physical / chemical properties:****Adhesive:**

Type: Moisture-curing, neutral Silane Modified Polymer (SMP), 1-component
Contains fungicide: No
Consistency: Thixotropic
Shelf life: 24 months in unopened packing, if stored cool and dry.
Packaging: 290 mL Cartridge, 600 mL foil bag

Cured adhesive:

Paintable: Yes.
Hardness: Approx. 60 Shore A (ISO 868)
Tensile strength: 3,0 N/mm² (ISO 37)
Elongation: 200 % (ISO 37)
Elasticity: +/- 20%
Resistance: Temperature: approx. -40 °C to +125 °C, short term up 200°C (powder coating processes)
Climatic ageing: Good



Directions for use:

- Preparation:** *All surfaces must be clean and dry, free of grease, dust and loose particles. Marine Bond & Seal 541 can be used on surfaces like bricks, concrete, wood, glass, most metals, most painted surfaces and several plastic and rubber-types.*
- In practice, variations can occur in the different materials, therefore it is always recommended to carry out sufficient bonding tests before commencing – particular in larger applications.*
- Applications temperature:** *Can be applied at temperatures from +5 °C to +40 °C.*
- Application:** *Marine Bond & Seal 541 is applied in lines at the substrate or at the materials to be bonded, in distances of 5 - 20 cm, depending on the required strength. Some applications might require special techniques, always follow the instructions from the supplier.*
- Yield:** *2 - 3 m²/cartridge, depending on dimensions and required strength.*
- Assembling time:** *Within 4 - 8 minutes after application of glue strings*
- Assembling:** *The materials are pressed carefully to the substrate.*
- When mounting heavy materials, or for special applications, it might be necessary to support the materials during the curing process.*
- Mounting of acoustic boards:** *Marine Bond & Seal 541 is applied in strings at the backside of the board. The board is mounted with a firm pressure. Normally additional support is not necessary.*
- Curing:** *Curing time: approx. 2 mm/ day, depending on moisture and temperature.*
- Cleaning:** *Tools can be cleaned and adhesive removed e.g heptane, white spirit or Wipes Sensitive 915. Cured adhesive can only be removed mechanically. Hands should be washed with water and soap.*

Health and Safety:

For further information on safety, please refer to product safety datasheet.

The information and data contained in this Product Information sheet are based on extensive laboratory testing and our practical experiences and are meant for helping the user to find optimum working methods. As the conditions at the user are beyond our control, we make no warranties concerning the results, achieved by the products. The information's in this Product Information sheet are typical values, intended as a guideline. They should not be regarded as product specifications. Please also refer to our standard sales conditions and terms of delivery.

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