

# TECHNICAL DATASHEET

## Biltema Marine Caulking

**25-4706, 25-4708**

BILTEMA MARINE CAULKING is a 1-component, neutral drying ready to use elastic Hybrid Polymer based glue and adhesive with a high, permanent elasticity.

### Applications:

As a universal glue and adhesive for use in the shipping industry and sealing of parquet, BILTEMA MARINE CAULKING is extremely suitable for sealing horizontal (and vertical) floor joints in decks of ships and connecting joints for Parquet, for application both internally and externally. BILTEMA MARINE CAULKING bonds without primer on almost all materials, such as aluminium, galvanized and stainless steel, zinc, copper, natural stone, concrete, brick, cement based cover sheeting, wood, gypsum, glass, glazing, various synthetic materials, etc.

Examples of applications are:

- Waterproof sealing of seams in teak-wood decks
- Floor joints in decks of ships
- Bonding and sealing of skirting boards
- Sealing of deck/hull joints
- Gluing and sealing of portholes and hatches

BILTEMA MARINE CAULKING should not be used with:

- Joints that are exposed to constant submersion under water
  - Joints with a width or depth < 5 mm
  - Swimming pools containing chlorine, with constant submersion under water
  - Bitumen
  - Polycarbonate, polyacrylate, polyethylene, polypropylene, polyamide and Teflon
- Proper ventilation during processing and during the hardening is important.

### Properties:

- Sealing and gluing of decks of ships and Parquet Floors
- Very resistant against ageing and weather influences
- Bonds even on moist substrates
- Solvent and isocyanate free
- Does not cause any corrosion in metal joints
- For interior and exterior use
- UV and weather-resistant
- Mould resistant
- Can be sanded
- Suitable for use with natural stone
- Neutral, odourless glue.

- Paintable with most water and solvent based paints. Is paintable wet on wet. After 48 hours, the surface must be cleaned first before it can be painted. Pre-testing is necessary. Alkyd paints require an extended drying time.

### **Processing:**

Support: The support must be fixed and rigid enough. The support does not have to be completely dry (damp).

Pre-treatment: The materials to be glued must be clean, dust and grease free. If necessary, degrease using acetone, alcohol or ethanol. For strongly absorbent supports, we recommend the use of PRIMER FOR TEAK DECK CAULKING. It is advisable to do bonding tests. It is the user's responsibility to check whether the product is suitable for his application.

Application: Apply BILTEMA MARINE CAULKING according to the caulking guide available on our website.

Cleaning: Adhesive residue that has not yet dried, can be removed using SILICONE REMOVER, dried glue must be removed mechanically.

### **Technical characteristics:**

- Basic ingredient:	Hybride-Polymer
- Vulcanisation system:	By means of humidity
- Drying speed:	2,5 to 3 mm/24 hour at 23 °C and 50% R.H.
- Skin formation:	35 minutes at 23 °C and 50% R.H.
- Density:	ca. 1,47 g/ml (ISO 1183)
- Shore A :	40 (± 5) (ISO-868)
- Maximum allowed distortion:	25%
- Module at 100% stretch:	1,100 N/mm <sup>2</sup> (ISO-8339-40)
- Module with breaking:	1,500 N/mm <sup>2</sup> (ISO-8339-40)
- % stretch with breakage:	200% (ISO-8339-40)
- Solvent:	0%
- Isocyanate:	0%
- Dry matter:	ca. 100%

### **After vulcanisation:**

Tensile stress at 100% stretch:	2,0 N/ mm <sup>2</sup> (ISO 37)
Tensile stress:	2,6 N/ mm <sup>2</sup> (DIN 53504/ISO 37)
Stretch with breakage:	ca. 200% (DIN 53504/ISO 37)
Shear stress:	1,414 N/ mm <sup>2</sup> (DIN 53283)
Processing temperature:	+5 °C to +40 °C, do not process below +5 °C
Temperature stability:	-40 °C to +90 °C
Moisture resistance:	Extremely good

### **Packaging:**

	290 ml
Frost sensitivity:	Not sensitive to frost

**Storage and stability:**

Keep cool and in the sealed packaging.

Shelf life of opened packaging is limited.

12 months in the sealed packaging at 23°C.

**Safety:**

Please consult the SDS, which is available upon request.