



# TEKAFLEX

## MS marine B



### DESCRIPTION

MS Marine B is one-component sealant based on MS polymer, which adheres well to many surfaces. It is curing in contact with air moisture without shrinkage and bubble formation.

### PROPERTIES

- Excellent adhesion to most materials: wood, metals, aluminium, steel, copper, concrete, ceramics, polycarbonat, polyester, rubber, marble, glass, polystyrol, PVC, mirror.
- Good output at low temperatures
- Environment-friendly: solvent and isocyanates free
- Odourless
- Resistant to ageing, moisture, weathering and UV
- Mouldy resistance
- Non-corrosive to metals and alkaline surfaces (concrete, marble, etc.)
- Chemical resistant to :
  - fresh water, seawater, limewater, sewage effluent, diluted acids and caustic solution.
  - temporary resistant to : fuels, mineral oils, vegetables and animal fats and oils.
  - not resistant to : organic acids, alcohol.
- Can be painted with most paints and varnishes on the basis of epoxide, polyurethane and water.

### USE

For bonding teak wood decks to iron, aluminium, fiberglass, wood subdecks and waterproof sealing of seams and teak wood deck of shipbuilding. For better adhesion onto porous surfaces use Primer KVZ 16. For better adhesion it is recommended to apply minimum 2 mm (with spatula) or 5-10 mm (from cartridge).

### TECHNICAL DATA

#### Uncured sealant

Base		hybrid MS polymere
Appearance		paste
Colour		black
Hardening mechanism		by air humidity
Specific gravity		1310 ± 10 kg/m <sup>3</sup>
Skin formation time	23°C/50% RH	20 ± 5 min
Hardening time	23°C/50% RH	2 - 3 mm/day
Application temperature		+5°C to +30°C

#### Hardened sealant

Hardeness Shore A	ISO 868	40±5
Volume change	SIST ISO 10563	< 1%
Tensile strength	SIST EN 28339	1,1 - 1,5 MPa
Module E 100%	SIST EN 28339	0,7 - 1,0 MPa
Elongation at break	SIST EN 28339	180 - 260%
Tensile strength	ISO 37 rod 1	2,0 - 2,4 MPa
Elongation at break	ISO 37 rod 1	200 - 350%
Temperature resistance		-40°C to +90°C

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**APPLICATION**

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**Preparation of surface**

The surface of the joint gap has to be clean, dust and oil free. Remove all loose and badly attached pieces.

- Cut the cartridge at the top and screw on the tip, which has to be cut according to the width of the joints gap and placed into the gun. Apply Ms Marine B on one side with a caulking gun or spread on the surface with a spatula.
- To achieve optimum performance it is important to press both part together.
- When interrupting work release the handle on the gun and pull the piston back.
- At the end of work, level the MS Marine with appropriate levelling instrument or a well soaped finger.
- Fresh MS Marine and tools can be cleaned with alcohol.

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**PACKING**

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- 290ml cartridges
- 600ml sausages

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**STORAGE**

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12 months in dry places at a temperature between + 5°C and + 25°C in the original unopened packing.

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**SAFETY PRECAUTIONS**

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No special safety precautions need to be observed when working with MS Marine B.

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**ATTENTION**

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Instructions are given on the basis of examinations and technical experiences of the firm. Due to specific conditions and work methods, preliminary tests are advised for every type of use.

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**CERTIFICATES**

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Wheelmark (MED-B and MED-D)