

# MS-POLYMER MARINE



Flexible sealant suitable for wood decks in shipbuilding



## ■ PROPERTIES

Flexible adhesive sealant with proven resistance to sea water and UV radiation. The hybrid technology of the polymer modified, silane-based MS-Polymer sealant covers a multitude of application needs for waterproofing as well as sealing. Key features include high mechanical strengths, and unbreakable bonding. It is unaffected from prolonged sun and salts exposure. On curing, the product can be sanded, and it does not discolor.

## ■ APPLICATIONS

MS-POLYMER MARINE is suitable for sealing joints on the wood decks of yachts and ships. It is recommended for sealing wood floor joints in houses, both indoor and out, especially in saunas, swimming pools, fitness centers etc.

## ■ ADVANTAGES

- High resistance to sea water
- Solvent free product

- Resistant to temperature variations from -40°C to +120°C
- Applications on stable surfaces do not require any priming
- A high thixotropy material; it does not sag.

## ■ USE

### 1. Surface preparation

The edges of the joints must be dry, clean and free from dust, grease and loose materials. The minimum width of the joint must be no less than 5mm. For joints greater than 12mm, the joint depth should be half its width. For joints less than 12mm, the joint depth should be equal to its width.

### 2. Application

It is highly recommended to apply MS-POLYMER MARINE, in cartridge form, using the DUROSTICK PROFESSIONAL CARTRIDGE GUN, or use its 'sausage' form, together with the DUROSTICK DUROSEAL 600, the Professional Cartridge and 'Sausage' Barrel Gun.

The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

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Cut the nozzle on a slant and fill the joint tilting the cartridge at a 45° angle in relation to the joint, making sure that air is not trapped under the sealant. Remove the excess material with a flexible putty knife. Shape and finish the material before any (surface) skin formation.

## ■ CLEANING

Clean the still fresh product, using DUROSTICK THINNER 101. When the product cures, it becomes hard to clean and it can be removed only by mechanical means.

## ■ CONSUMPTION

Indicatively a cartridge will cover

JOINT	LINEAR METERS
4x6mm	12.9
6x6mm	8.6
8x6mm	6.4
12x8mm	3.2

## ■ STORAGE

Store in dry places, for 12 months from production date.

## ■ SAFETY DIRECTIONS

The product is classified as harmful. It is recommended to keep away from the reach of children. Before use, refer to the cautions on the product packaging or the Material Safety Data Sheet.

## ■ PACKAGING

Carton box with 12 cartridges of 300ml each one  
Carton box with 15 'sausage' tubes of 600ml each one

## TECHNICAL SPECIFICATIONS

■ Base	MS-POLYMER, silane modified
■ Form - Color	Paste - Black, Gray, White
■ Application temperature	From +5°C to +40°C
■ Temperature resistance	From -40°C to +120°C
■ A. Non-polymerized material:	
1. Thixotropy	Freestanding (does not sag)
2. Skin formation time	15-20 minutes
3. Polymerization rate	2-3mm/ day
■ B. Polymerized material:	
1. Shore-A hardness	38±2 per DIN 53505
2. Modulus of elasticity at 160% stretch for 24h	> 95%
3. Elongation at break	> 350% per DIN 53504
4. Tensile strength	2.3 N/mm <sup>2</sup> per DIN 53504

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