



MASTERS POLYMER MARINE

Product description

MASTERS POLYMER MARINE is a one-component adhesive sealant based on hybrid polymer with silane termination. It cures according with air moisture reaction, specifically developed for the nautical sector.

Specifications

- isocyanates and solvents free
- ready-to-use single-component
- permanent elasticity
- excellent surface hardness
- odorless
- great chromatic stability
- adhesive properties unchanged over time
- can be over-coated
- can be sanded
- adhesion without primer
- great extrusion
- great UV resistance: UVB lamps > 5000 h

Application areas

It is suitable for gluing and sealing of a wide variety of materials used in nautical shipbuilding, such as:

- Wood
- Teak sealing and bonding
- Insulating panels
- Aluminium - Varnished aluminum
- Steel - Stainless steel
- Iron
- Fiberglass

Preparation and use

Conditions of use: use at a temperature between +5°C and +45°C - for a good performance of the product we suggest to use it at a temperature of 20°C.

It is advised to completely harden the product before painting.

Surface requirements: the surface should be dry, free of dust, oils, detergents and greases, once the surface has been cleaned, wait no more than 20 minutes for laying the product.

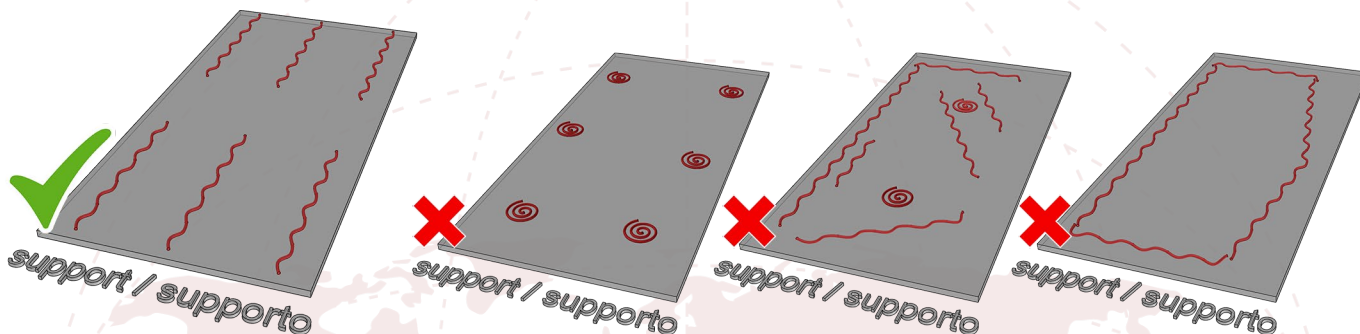
Tools for use: manual or pneumatic guns

Cleaning utensils: clean them with mineral turpentine.

Spots and residues: remove non-crosslinked parts with mineral turpentine, hardened parts can only be removed mechanically.

Warnings: we suggest to wash the deck of the ship with domestic detergents diluted with water and then eliminate them. It is not recommended to wash the deck of the ship with very aggressive detergents because its chemical composition could affect the elastomer.

Application example



Package

cartridge 290 ml, box 12/24 pc
 unipac 600 ml, box 20 pc
 drums 24 kg
 drums 240 kg

Colours



Storage

Stored in its original packaging, in a cold dry place (+5°C and +25°C), away from direct sunlight, the product lasts 24 months.

Security measures

Avoid contact with mucous membranes and skin
 Use gloves to avoid irritation, especially in susceptible persons
 In case of contact with eyes, rinse with large amounts of water consult a doctor.
 Avoid to release the packages to the environment

Notes

These informations and our technical specifications, correspond to our

experience but these not establish our guarantee in relationship with final results or responsibility arising out of any legal report.

In view of the multiplicity of material handling and storage conditions, the conditions of production and use, all the above information and indications must be verified beforehand by the user in accordance with its specific conditions of use.

MASTERS POLYMER MARINE - Product data

General characteristics	Inspection method	unit	Value
Uncured paste			
Density at 23°C	ISO 2811	[g/cm ³]	1,38 (+/- 2%)
Consistency			non-sag
Curing time at 20°C / 45 % r.h.			
It can be smoothed after 72 hours from the application if the temperatures of application showed on the technical data sheet are respected		[mm/24h]	3
Skin forming time at 23°C / 50% rh		[min]	15
Cured paste			
After 4 weeks storage at 23°C / 50% rh			
Tensile strength	ISO 37	[N/mm ²]	1,88
Elongation at break	ISO 37	[%]	450
Modulus at 100% elongation	ISO 37	[N/mm ²]	1,10
Hardness Shore A	DIN 53505		45 (+/- 3%)
Volume loss		[%]	< -2
Temperature resistance		[°C]	-40 / +100

These figures are only intended as a guide and should not be used in preparing specifications.

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

For technical, quality, or product safety questions, please contact:
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