

POLYMAR MS 952

Revision: 20/03/2025

POLYMAR
MARINE LINE

TECHNICAL DATA

Polymers and the curing system:	MS Polymer, alcoxy
Consistency:	Paste
Application temperature:	+5°C to +35°C
Specific weight:	1,4 kg/dm ³
Shore A hardness:	52 Shore A
Modulus 100% (DIN 53504):	1,6 MPa (DIN 53504)
Tensile Strength (DIN 53504):	2,7 MPa (DIN 53504)
Elongation at break:	420 %
Tear strength (ASTM D 624-73):	16 N/mm (ASTM D 624-73)
Skin formation time (20°C @ 50% RH):	approx. 20 - 30 min.
Curing speed (20°C @ 50% RH):	3 - 4 mm after 24 hrs.

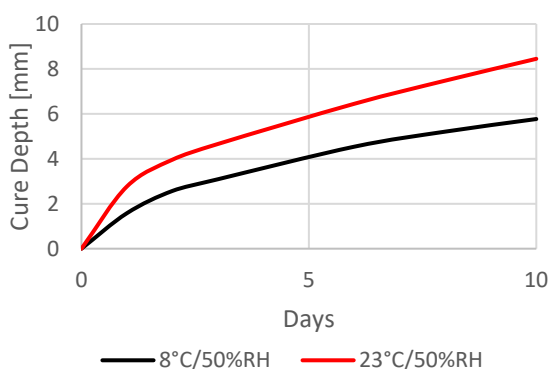
Values given in this table must not be considered as specifications.

PRODUCT DESCRIPTION

Perimeter sealant for glazed units and teak decks, based on MS Polymer.

PRODUCT CHARACTERISTICS AND USES

- Fast cure and easy to use. Compatible with most industrial paints.
- Excellent adhesion on mineral glass, fiberglass, steel, and anodized aluminium.
- Compatible with most synthetic glass available on the market.
- Excellent UV rays and weather resistance. Isocyanate free and solventless.



PROFESSIONAL USES

- Underwater hull mechanical seal (sea inlet, flap, stabilizer fins).
- For sealing thruster.
- Line shafting supports.
- Deck fitting.
- For assembling bulb keel.
- For perimetral sealing of glasses, deck teak, for assembling hull-deck.

LIMITATIONS

- Applications in water continuous immersion have to be double checked with Fratelli Zucchini S.p.A. Technical Area.
- Not suitable for joints in swimming pools and adjacent areas that are in continuous contact with pool water.
- It must not be used for items that come in contact with food, or with materials that ooze oily substances or plasticizers.
- Furthermore, it must not be applied in completely enclosed spaces, with no exposure to atmospheric humidity.
- Do not use in extreme temperature conditions, or on damp, frozen, contaminated surfaces.
- Do not use on excessively acidic or basic substrates. Not to be used in contact with natural copper.
- Not to be used in direct contact with teak oil or similar.
- For any application not listed in this document please contact our Technical Service.

APPROVALS

MS 952 has been certified in accordance with **Module-B** of Dir.96/98/EC and amended as: **SURFACE MATERIALS AND**

FLOOR COVERINGS WITH LOW FLAME-SPREAD CHARACTERISTICS: COVERINGS FOR FLOORS AND ADHESIVES USE IN THE CONSTRUCTION OF "A", "B" & "C" CLASS DIVISIONS. MED/3.18 (c) - MED/3.18 (e).

Certificate 0987/MED-B/1009.

MS 952 has been certified in accordance with **Module-D** of

Dir.2014/90/EU e Reg.(EU) 2022/1157, NO.MEDD000003U by DNV. Issued 13-09-2023 e valid until 03-07-2028.



NB 0575

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 COMPANY WITH
QUALITY SYSTEM
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ISO 9001


All recommendations relating to application and use of Fratelli Zucchini S.p.A. products have been given based on Fratelli Zucchini S.p.A. knowledge and experience, for products appropriately stored, handled and applied in suitable conditions, as indicated in their respective Technical Datasheets. The variability of materials, substrates and conditions of use is such that no warranty of their functionality for a specific application can be deducted from this information, written or verbal recommendation or any other type of suggestion offered. Each user has the responsibility to complete adequate evaluations on the efficacy of the materials offered by Fratelli Zucchini S.p.A., of its products, services, recommendations and suggestions for the specific application need, and must accomplish sufficient testing to ascertain that the final product will be safe and sound for the final intent of the end-user. Fratelli Zucchini S.p.A., therefore, cannot be fit considered liable for any damage, direct or indirect even for possible wrong, incorrect and unfit use of the products.

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Applications / Limitations of use

The material fulfils the requirements of **FTP Code (2010) Annex 1, Part 2 and 5**.

Calorific value to be less than 45 MJ/m² when required.

The compliance is valid for:

1. All the colours.
2. The weight of 290 g/m² (to which a tolerance of $\pm 5\%$ may be applied).

METHOD OF USE

SEALING GLASS

Adhesion and surface preparation: on clean glass, fiberglass and stainless-steel **MS 952** adheres directly without the application of primer.

If the seals are directly exposed to solar radiation without protection, black, UV resistant **GX PRIMER** must be applied along the edges of the glass panels at least 20 minutes before applying the sealant. It is advisable to apply the primer onto the glass on the ground before assembly.

On painted metal, clean and degreased bare metal, if specific tests prove the need, the surfaces may be treated with **WPX PRIMER**.

On synthetic glass it is advisable to carry out preliminary adhesion tests.

For more detailed information on the use of primers and on the preparation of surfaces, please refer to the specific technical specifications and data sheet "**Primer for MS sealants**".

Application: in order to facilitate the application of the sealant, it is advisable to pre-mask the external surfaces of the joint. Apply the sealant with an air gun or by hand and finish within 20 - 30 mins.

MS 952 must be used only for perimeter sealing, not for the structural bonding of glass panels.

For this use **MS 960** is recommended. The products are compatible.

PERIMETER SEALING OF TEAK DECKS

Adhesion and surface preparation: the surfaces to be sealed must be dry, clean, and free of dust and grease.

The wood must be treated with a uniform layer of **LM/BV PRIMER**.

In joints subject to movement, in order to take full advantage of the elastic properties of the sealant, after treatment with **PRIMER**, it is advisable to apply a non-stick tape along the bottom of the joint.

Application of the sealant and finishing of the deck: apply the sealant with an air gun or by hand, taking care to completely fill the joint on the inside while allowing the sealant to spread slightly towards the outside.

For a successful application it is recommended not to apply at temperatures below 5°C, and to strictly adhere to the primer's drying times.

Chemical resistance: **MS 952** is resistant to water and the marine environment.

Regular washing with water, even daily in hot climates, will keep the wood at the correct level of humidity and is normally sufficient to keep the deck in good condition.

The use of oily substances is not recommended and should, in any case, first be tested on a small area.

If the need to use detergent products arises, it is advisable to use only domestic liquid soap diluted with water and to rinse thoroughly.

We strongly advise against the use of aggressive chemical cleaning products, bleaches, caustic soda, and the use of pressure washers.

The product will withstand occasional and short-term contact with fuel.

Paintability: it should be kept in mind that any overpainting can modify the surface elastic properties of the sealant and its ability to flex with movement and may compromise the functionality of the joint.

The compatibility of the sealant with the paint must first be verified by testing.

Aesthetically pleasing results can generally be achieved by applying the paint after the sealant has hardened completely.

Solvent wiping: traces of **MS 952** can be cleaned using **Solvente ST 512**. Cured product can be removed mechanically.

SAFETY AND HEALTH

See Safety Data Sheet.

STORAGE STABILITY

- 290 ml. cartridge 18 months from the date of manufacture.
- 600 ml bag. 18 months from the date of manufacture.
- 25 kg drum 12 months from the date of manufacture.

Store the sealed product in the original packaging, in a dry place at a temperature between +5°C and +25°C.

The product may become more viscous during storage.

PACKAGING

Code	Colour	Packaging	Pcs./box
1020011	Black	290 ml cartridge	24
1020012	Grey	290 ml cartridge	24
1020051	White	290 ml cartridge	24
1020013	Black	600 ml bag	12
1020014	Grey	600 ml bag	12

Other sizes available on request

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