

POLYMAR MS 950

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:	50 Shore A
Modulus 100% (DIN 53504):	1,5 MPa (DIN 53504)
Tensile Strength (DIN 53504):	3,1 MPa (DIN 53504)
Elongation at break:	380 %
Tear strength (ASTM D 624-73):	16 N/mm (ASTM D 624-73)
Skin formation time (20°C @ 50% RH):	approx. 15 min.
Curing speed (20°C @ 50% RH):	3 - 4 mm after 24 hrs.

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

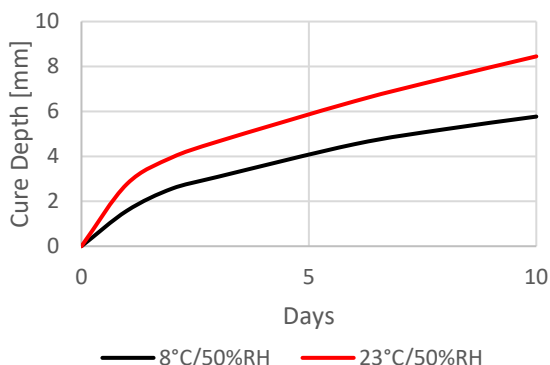
PRODUCT DESCRIPTION

High performance structural adhesive/sealant with rapid ambient humidity curing.

After cure the product reveals high elastic properties and excellent UV rays and humidity resistance.

PRODUCT CHARACTERISTICS AND USES

- Fast cure and easy to use.
- Paintable after a few minutes.
- High tensile strength and excellent resistance to extreme mechanical stress.
- Good adhesion onto a wide range of materials without primer.
- Excellent UV rays and weather resistance. Isocyanate free and solventless.



- Deck fitting.

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 950 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/1008.

PROFESSIONAL USES

- For sealing marble, corian, mirrors contact the Technical Service of Fratelli Zucchini.
- Underwater hull mechanical seal (sea inlet, flap, stabilizer fins).
- For sealing thruster.
- Line shafting supports.

Fratelli Zucchini S.p.A.

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 COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
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 deduced 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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NB 0575

MS 950 has been certified in accordance with **Module-D** of Dir.96/98/EC, NO.MED-D-1608 by DNV.

Issued 13-09-2023 e valid until 03-07-2028.

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 277,4 g/m² (to which a tolerance of $\pm 5\%$ may be applied).

METHOD OF USE

Adhesion and surface preparation: **MS 950** has a very good primerless adhesion, provided surfaces are free from grease, on steel, galvanised steel, anodised aluminium and aluminium, on painted surfaces in general, on wood, glass and glazed surfaces, polyester and UPVC.

For applications under severe conditions, such as under extremely wet conditions, or on porous surfaces, the use of a suitable primer can improve adhesion of sealant.

More detailed information about surface conditioning are available in the selection chart of **"Primers for MS Sealants"**.

MS 950 has a good adhesion on silicone and polyurethane sealants, so it can be used in resealing joints where the complete removal of the old sealant is impossible.

For this type of application, which in any case is advisable for joints subjected to limited dynamic stress, previous testing to determine compatibility is recommended.

Application of sealant: **MS 950** can be extruded by using a hand operated gun or an air gun at a temperature range between +5°C/+35°C.

Since the hardening takes place due to moisture, to speed up the process, especially for bonding nonporous materials, it is possible to humidify the parts spraying water before assembling. Join under adequate pressure spoon immediately. If necessary, maintain pressure on the glued parts until it has developed the adhesive set. Smooth within 10 minutes.

About 30' after application the sealant can be overpainted without causing delays in curing time.

In painting the best results are obtained if the paint is applied in the 6 hours following the application

Paintability: please note that overpainting can modify the elastic properties of the sealant surface and so its ability to accommodate the movements of the joint.

The compatibility of the sealant with the paint has to be previously verified by test.

It is recommended to apply the paint when the sealant is completely cured. It assures the best results, also esthetically.

Solvent wiping: dirty tools of **MS 950** can be solvent wiped with **SOLVENTE ST/512**.

After curing **MS 950** can be removed only 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
1020007	Black	290 ml cartridge	24
1020008	White	290 ml cartridge	24
1020009	Black	600 ml bag	12
1020010	White	600 ml bag	12

Other sizes available on request

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