



POLY-MAR MS 950

HIGH PERFORMANCE STRUCTURAL SEALANT FOR EXTERIOR AND INTERIOR

Revision: 15/07/2026

TECHNICAL DATA

Polymers and the curing system:	MS Polymer™, alcoxy
Consistency:	Paste
Application temperature:	+5°C / +35°C
Specific weight:	1,4 kg/dm ³
Shore A hardness (ASTM D2240-15):	50 Shore A
Modulus 100% (DIN 53504):	1,5 MPa
Tensile Strength (DIN 53504):	2,6 MPa
Elongation at break (DIN 53504):	400 %
Tear strength (ASTM D 624-73):	16 N/mm
Skin formation time (20°C @ 50% R.H.):	approx. 20 min.
Curing speed (20°C @ 50% R.H.):	3 - 4 mm after 24 hrs

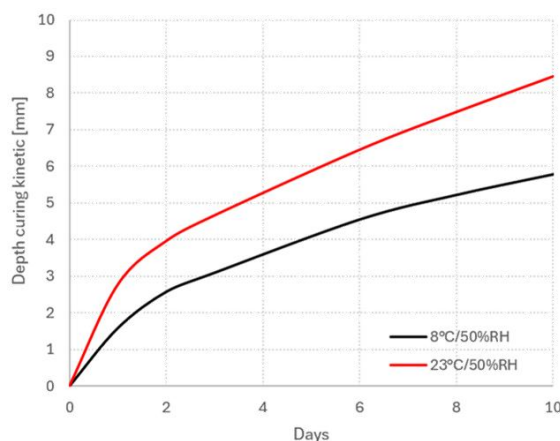
Values given in this table must not be considered as specifications.

PRODUCT DESCRIPTION

One-part neutral, moisture curing, high performance structural sealant, based on MS Polymer™.
The product is solventless and isocyanate-free.

PRODUCT CHARACTERISTICS

- Fast curing and easy to apply, it guarantees a smooth and uniform finish.
- Compatible with most industrial paints.
- 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.
- Since product polymerizes with moisture, the kinetic of curing is strongly influenced by atmospheric condition (see Graph 1).



Graph 1 Curing kinetics of POLY-MAR MS 950.

PROFESSIONAL USES

- Underwater hull mechanical seal (sea inlet, flap, stabilizer fins).
- For sealing thruster.
- Line shafting supports.
- Deck fitting.
- High performance seals for interior and exterior.
- Hull assembly in sail boats.

LIMITATIONS

- 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 into contact with food, or with materials that ooze oily substances or

Fratelli Zucchini S.p.A.

Via C. Colombo, 6
44124 Ferrara - Italy
Tel. +39 0532 782711 - info@zucchini.it - www.zucchini.it

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plasticizers.

- It must not be applied in completely enclosed spaces, free from exposure to atmospheric humidity.
- Do not use it in extreme temperature conditions, or on damp, frozen, contaminated surfaces.
- Do not use on excessively acidic or basic substrates.
- Do not apply it to 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

POLY-MAR 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 USED IN THE CONSTRUCTION OF "A", "B" & "C" CLASS DIVISIONS. MED/3.18 (c) - MED/3.18 (e)**. Certificate 0987/MED-B/1011.

POLY-MAR MS 950 has been certified in accordance with **Modulo-D** of Dir.2014/90/EU e Reg. (EU) 2022/1157, NO. MEDD000003U del DNV.

Issued 13-09-2023 and 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: **POLY-MAR MS 950** has very good adhesion without use of primer, if 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 is available in the selection chart of "**Primers for MS Sealants - Marine Division**".

POLY-MAR MS 950 has a good adhesion on 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: **POLY-MAR 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 immediately. If necessary, maintain pressure on the glued parts until it has developed the adhesive set.

Paintability: the product is paintable. However, 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. 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: tools with traces of **POLY-MAR MS 950** can be cleaned using **Solvente ST/512**. When product is completely polymerized, it can be removed mechanically.

SAFETY AND HEALTH

Refer to Safety Data Sheet.

STORAGE STABILITY

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

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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 viscose during storage.

PACKAGING AVAILABLE

Code	Colour	Size	Pcs. /Box
1020008	White	290 ml cartridge	24
1020010	White	600 ml sausage	12
1020007	Black	290 ml cartridge	24
1020009	Black	600 ml sausage	12

Other formats available on request.

For further information please visit www.poly-mar.com

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