



# POLYMAR MS 950

Revision: 25/03/2026

## TECHNICAL DATA

<b>Polymers and the curing system:</b>	<b>MS Polymer, alcoxy</b>
<b>Consistency:</b>	Paste
<b>Application temperature:</b>	+5°C to +35°C
<b>Specific weight:</b>	1,4 kg/dm <sup>3</sup>
<b>Shore A hardness:</b>	50 Shore A (DIN 53505)
<b>Modulus 100% (DIN 53504):</b>	1,5 MPa (DIN 53504)
<b>Tensile Strength (DIN 53504):</b>	2.6 MPa (DIN 53504)
<b>Elongation at break:</b>	400 %
<b>Tear strength (ASTM D 624-73):</b>	16 N/mm (ASTM D 624-73)
<b>Skin formation time (20°C / 50% RH):</b>	approx. 20 min.
<b>Curing speed (20°C / 50% RH):</b>	3 - 4 mm after 24 hrs.

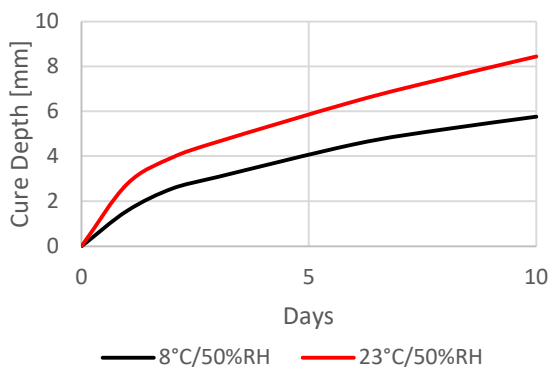
Values given in this table must not be considered as specifications.

## PRODUCT DESCRIPTION

High performance structural sealant with rapid ambient humidity curing, based on **MS Polymer**.

## PRODUCT CHARACTERISTICS AND USES

- 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.



## 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.

## 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 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.
- To ensure optimal performance, it is necessary to carry out compatibility tests with the substrates used, under real application conditions.
- 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.

**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.

**Fratelli Zucchini S.p.A.**

Via C. Colombo, 6  
44124 Ferrara - Italy

Tel. +39 0532 782711 - info@zucchini.it - www.zucchini.it

COMPANY WITH  
ENVIRONMENTAL SYSTEM  
CERTIFIED BY DNV  
= ISO 14001 =

COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV  
= ISO 9001 =





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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/m<sup>2</sup> when required.

The compliance is valid for:

1. All the colours.
2. The weight of 277,4 g/m<sup>2</sup> (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 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 **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.

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.**

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