



POLYMAR MS 953

Revision: 24/06/2025

TECHNICAL DATA

Polymers and the curing system:	MS Polymer, alcoxy
Consistency:	Paste
Application temperature:	+5°C to +35°C
Specific weight:	1,5 kg/dm ³
Shore A hardness:	53 Shore A (DIN 53505)
Modulus 100% (DIN 53504):	2,3 MPa (DIN 53504)
Tensile Strength (DIN 53504):	3,0 MPa (DIN 53504)
Elongation at break:	180%
Tear strength (ASTM D 624-73):	10 N/mm (ASTM D 624-73)
Skin formation time (20°C / 50% RH):	approx. 10 - 20 min.
Curing speed (20°C / 50% RH):	2 - 3 mm after 24 hrs.

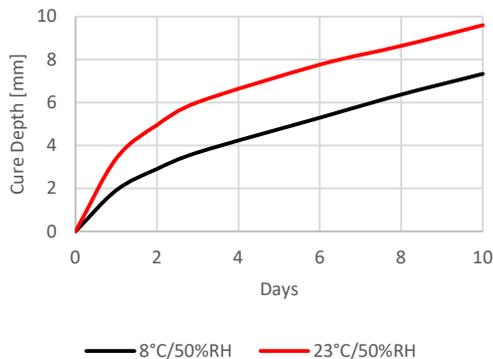
Values given in this table must not be considered as specifications.

PRODUCT DESCRIPTION

Fire resistant adhesive/sealant, based on MS Polymer.

PRODUCT CHARACTERISTICS AND USES

- Low flame spread.
- Hazardous substances free in case of fire.
- Thixotropic, the product can be applied up-right down.
- Isocyanate free, solventless.
- After dry almost no shrinkage.



PROFESSIONAL USES

- For sealing pipe routing.
- For assembling fire doors.
- For sealing refrigerating rooms.

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.
- For any application not listed in this document please contact our Technical Service.

APPROVALS

MS 953 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/1010.

MS 953 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.

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 298 g/m² (to which a tolerance of ± 5% may be applied).

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METHOD OF USE

Adhesion and surface preparation: MS 953 allows excellent adhesion without the use of Primer on the degreased surfaces of steel, galvanized steel, anodized aluminum, aluminum, concrete, wood, glass and glazed surfaces, ceramic, polyester, UPVC.

On painted surfaces you should check whether you need **Primer WPX**.

For special operating conditions, such as the presence of moisture, or on porous surfaces, the adhesion can be improved by applying a special primer.

More detailed information on surface preparation are contained in the selection chart **"Primer for MS sealants"**.

MS 953 can be applied by gun on one of the surfaces to be bonded. The coupling under light pressure should be performed within 10 - 15 minutes from the application.

To allow the proper curing of the adhesive and exploit the most cohesive and adhesive properties, the right thickness after pressing should be not less than 1 - 2 mm.

When bonding large surfaces the adhesive can be applied in a discontinuous way in parallel curbs 20 - 40 cm away from the other and along the perimeter, in proper section to fill any irregularities.

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 within 5 minutes. If necessary, maintain pressure on the glued parts until it has developed the adhesive set. In the case of use for finishing sealing, smooth within 10 minutes.

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 953** can be cleaned using Solvent **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.

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.

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