



POLY-MAR MS 935

ELASTIC ADHESIVE FOR BONDING TEAK DECKS

Revision: 15/07/2026

TECHNICAL DATA

Polymers and the curing system:	MS Polymer™, alcoxy
Consistency:	Paste
Application temperature:	+5°C / +35°C
Specific weight:	1,5 kg/dm ³
Shore A hardness (ASTM D2240-15):	35 Shore A
Modulus 100% (DIN 53504):	1,3 MPa
Tensile Strength (DIN 53504):	2,1 MPa
Elongation at break (DIN 53504):	250%
Tear strength (ASTM D 624-73):	8 N/mm
Skin formation time (20°C @ 50% R.H.):	approx. 40 min.
Curing speed (20°C @ 50% R.H.):	2 - 3 mm after 24 hrs.

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

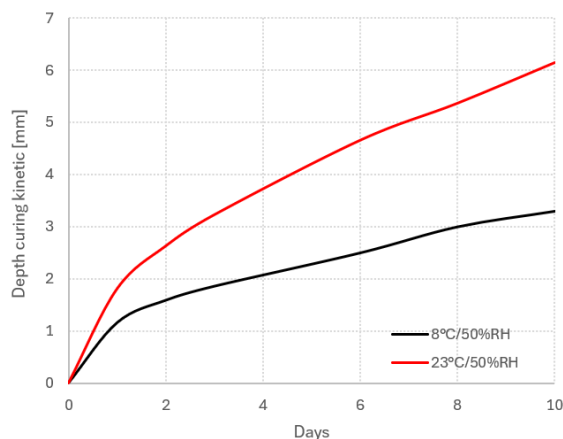
PRODUCT DESCRIPTION

One-part neutral moisture curing elastic adhesive based on **MS Polymer™** especially designed for bonding teak decks to iron, aluminium, GRP and wood subdecks.

The product is solventless and isocyanate-free.

PRODUCT CHARACTERISTICS

- One part product, easy to use.
- Almost no shrinkage after drying.
- Neutral, odourless, solventless and isocyanate free, safety in use.
- Very good elasticity, it supports, with no tears, thermal expansions substrate.
- The product increases the deck acoustic insulation.
- Good adhesion to many kind of surfaces, if unpolluted and adequately treated, such as wood, metals, GRP, fiberglass and aluminum.
- After curing it shows high cohesion.
- Flexible at low (-40°C) and high (+ 100°C) temperatures.
- Good resistance to ageing and moisture, sound and vibration dampening.
- High tensile strength and excellent resistance to extreme mechanical stress.
- Good adhesion onto a wide range of materials without primer.
- 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 935.

PROFESSIONAL USES

- Teak and synthetic deck sealing. Considering the different synthetic deck materials in use, previous technical testing is always recommended.

LIMITATIONS

- Applications under continuous immersion in water must 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 into contact with food, or with materials that ooze oily substances or

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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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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 935 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 935 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 284 g/m² (to which a tolerance of $\pm$ 5% may be applied).

METHOD OF USE

Adhesion and surface preparation: the surfaces must be dry, clean and degreased. Metal surfaces should be free from oxidation and treated with anticorrosive protection. Onto treated metals, the use of a suitable Primer may be required, so previous testing is always recommended. Onto dry and deoxidated metal surfaces use **Primer WPX**.

Wood free from dust, dry and degreased should be treated with **Primer LM/BV**.

By using GRP free from dust should be cleaned with Solvente **ST/121**.

Fiberglass free from dust should be cleaned with Solvente **ST/121**.

Application of the adhesive: the adhesive can be extruded by using a hand or air gun, then spread it using a 4 mm notched spatula to obtain, after the laying of the laths, a uniform thickness not lower than 2 mm.

Within 30 minutes from the application and, in any case, before skin formation, lay down the wooden laths.12- Do not bond together the surfaces if the skin is formed.

It is recommended to use some weights to ensure proper adhesion between the two surfaces.

It is recommended to work at a temperature over +5°C.

Cure is realised by humidity; in presence of non-porous surfaces, it can be accelerated by nebulizing the parts with water before assembling.

Chemical resistance: **MS 935** shows a good resistance to water-based cleaners.

Previous resistance testing is recommended if cleaners are regularly used.

It can come in contact, for a short period and temporarily, with fuels.

Consumption: the yield for a surface with a 2 mm thick layer of adhesive is 3 kg/m².

Solvent wiping: tools with traces of **POLY-MAR MS 935** 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.
- 5 kg pail 12 months from the date of manufacture.
- 15 kg pail 12 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
1020022	Charcoal grey	600 ml sausage	12
1020071	White	600 ml sausage	12
1020000	Charcoal grey	5 Kg pail	-
1020026	Charcoal grey	15 kg pail	-

Other formats available on request.

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

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