TECHNICAL DATA SHEET

MS TECHNO PRO

Revision: 11/12/2025

TECHNICAL DATA

Polymers and the curing system:	**MS Polymer, alcoxy**
Declaration of product:	EN 15651-1: F-EXT-INT
Consistecy:	Pastosa
Application temperature:	+5°C / +35°C
Specific weight:	1,53 kg/dm³
Shore A hardness:	55 - 60
Modulus 100% (DIN 53504):	2 MPa
Tensile Strength (DIN 53504):	3 MPa
Elongation at break:	250 %
Tear strength (ASTM D 624-73):	17 N/mm
Skin formation time (20°C @ 50% RH):	10 min. ca.
Curing speed (20°C @ 50% RH):	2,5 mm. / 24 h.

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

PRODUCT DESCRIPTION

One part, moisture curing adhesive - sealant based on **MS POLYMER.**

PRODUCT CHARACTERISTICS AND USES

Solventless, isocyanate free, suitable for high performance joints and elastic sealing. Excellent adhesion to many substrates without Primer, flexible in the long run. permanently elastic in the range -40° C/+100°C. Non slumping, the application can be made along the vertical, almost no schrinkage. It can be painted soon after application.

- In bodywork for sealing and fixing panels and metal sheets.
- For sealing stiffening ribs on to structures subjected to vibrations, or with material with different thermal expansions.
- For insulating and covering containers or vans.
- For bonding wood metal in door and window frames.
- For bonding overlaps between sheets or metals and other surfaces where mechanical fixing or welding is not allowed, in transport, metal carpentry.
- For bonding and sealing ventilation and conditioning ducts.
- For bonding metal profiles (U) onto glasses, plastic sheets, metal panels in refrigeration industry, refrigerators, furnishing, means of transport.
- For bonding wood panels and profiles even painted, plasterboard panels, plastic laminate, uPVC to walls, metal structures.
- For bonding overlap and butt joints between plates, profiles, frames.
- For assembling insulated panels, partition walls.
- For mirror installation.

LIMITATIONS

- Applications in water continuous immersion have to be double checked with Fratelli Zucchini S.p.A. Technical Department.
- 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 plasticisers.
- 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 suitable for use on natural copper.
- For any application not listed in this document please contact our Technical Service.
- Applications involving direct exposure of the product to the outside environment must be verified with the Technical Department of Fratelli Zucchini S.p.A.

APPROVALS

- **MS TECHNO** was tested and ranked second by **EUROFINS:** Indoor Air Comfort GOLD 6.0 of February 2017.
- **Declaration of product:** EN 15651-1: F-EXT-INT (DOP N° 05 12 5006068 – NB1292)
- **MS TECHNO PRO** has been examined by **ISEGA** and judged suitable for sealing walls and floors in manufacturing units where foodstuffs are processed, with the exception of direct contact between food and sealant.

METHOD OF USE

Adhesion and surface preparation: MS TECHNO PRO has an excellent primerless adhesion to degreased surfaces of steel,

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COMPANY WITH ENVIRONMENTAL SYSTEM CERTIFIED BY DNV = ISO 14001 =

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 deducted 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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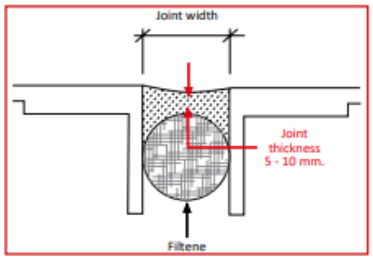
galvanised steel, anodized aluminium, to painted surfaces, to concrete, wood, glass, ceramics, GRP, uPVC. In particular conditions, i.e. humidity and porous surfaces, the adhesion can be improved by application of a suitable primer. More detailed information on surface preparation can be found in the "Primer for MS sealants" sheet.

Application of sealant: **used as adhesive MS TECHNO PRO** can be applied by gun onto only one part. Join the parts together within 10' - 15' exerting a light pressure. When compressed the thickness should be not lower of 1 - 2 mm. in order to allow the correct curing and to exploit the adhesive and cohesive characteristics of the product. On to big surfaces the adhesive can be applied in parallel lines distant 20 - 40 cm. and along the perimeter. Cure is realised by humidity, in presence of non porous surfaces it can accelerated by nebulizing the parts by water before assembling. Put the part in contact within 5 minutes by using an adequate pressure. If necessary, maintain under pressure the parts until a complete curing.

Used as a sealant the product is suitable for joints submitted to small movements only. Insert a non-adhesive back-up material in deep joints. Apply a continuous bead by using an adequate pressure and avoid air entrapping. Tool with a wet spatula.

Joint dimensions (see picture): a well dimensioned joint ensure an excellent movement accommodation for the sealant and so long life and efficiency of the joint. Joints designed to accommodate movement must be compatible in size and shape with the elongation capacity of the sealant. Rectangular sections with joint depth lower than width and two-side adhesion reduce the risk of tearing by severe stress. For a correct dimensioning of a joint section and for avoiding the adhesion to the third side insert into the joint back **FILTENE**, a closed cell polyethylene foam backer rod for joints.



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 can be solvent wiped with Solvente ST/512. After curing **MS TECHNO PRO** 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 viscose during storage.**

PACKAGING

Code	Colour	Packaging	Pcs./box
1004495	White	290 ml cartridges	24
1004496	Grey	290 ml cartridges	24
1004476	Black	290 ml cartridges	24
1004648	White	600 ml sausages	12
1004649	Grey	600 ml sausages	12
1004650	Black	600 ml sausages	12

Other sizes available on request

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