

MS TECHNO LIGHT

PRODUCT DESCRIPTION

MS TECHNO LIGHT is a one part, moisture curing sealant based on **MS POLYMER**, crystal clear even in thickness.

PRODUCT CHARACTERISTICS

The product provides high elasticity and cohesion and good adhesion to a wide range of substrates.

MS TECHNO LIGHT produces high resistance elastic sealings.

It can be used as adhesive in bonding requiring transparency and high filling capacity.

- Solventless, isocyanate and silicones free.
- No shrinkage.
- Neutral, odourless reaction.
- Rapid curing.
- Excellent adhesion to a great variety of substrates.
- High bonding strength.
- Flexible at low (-40°C) and high (+ 100°C) temperatures.
- Excellent resistance to yellowing for indoor application.
- Excellent resistance to UV rays outdoors in indirect exposure.
- Paintable.

USES (professional)

- For elastic sealing of glass, ceramic, porcelain, majolic, plate glass, aluminium, stainless iron, brass, bronze, silver, painted metals, cast iron, wood, cork, fabrics, synthetic fabrics, fiberglass, ABS, carbon, uPVC, porous materials commonly used in industry. Not suitable for PE, PP, PTFE.
- For not visible sealing and bonding in furnishing; for joining glass elements among them or to metals for the production of tables, glass decorations, panels.
- For the production of signs, plates, gifts and fancy goods.
- Non dangerous sealant adhesive for general purpose in industry.

LIMITATIONS

- Not indicated for outdoor application without protection from UV rays.
- Direct exposure to UV rays could cause possible yellowing.
- 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 plasticisers.
- Furthermore, it must not be applied in completely enclosed spaces, with no exposure to atmospheric humidity.
- Non specific for sealing on to marble and natural stone, previous compatibility tests are always recommended.
- 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.

TECHNICAL DATA

Polymers and the curing system:	MS Polymer, alcoxy
Consistency:	Pasty
Application temperature:	+5°C / +35°C
Specific weight:	1,07 kg/dm ³
Shore A hardness:	35
Modulus 100% (DIN 53504):	0,8 MPa
Breaking load (DIN 53504):	2,5 MPa
Elongation at break:	250%
Tear strength (ASTM D 624-73):	7 N/mm
Skin formation time (20°C @ 50% RH):	12 min. approx.
Curing speed (20°C @ 50% RH):	3 mm. after 24 h.

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



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APPROVALS

MS TECHNO LIGHT has been tested and certified by **EUROFINS** according to:

Regulation or protocol	Conclusion	Version of regulation or protocol
French VOC Regulation	A +	Regulation of March and May 2011 (DEVL1101903D and DEVL1104875A)
French CMR components	Pass	Regulation of April and May 2009 (DEVP0908633A and DEVP0910046A)
Italian CAM Edilizia	Pass	Decree 11 October 2017 (GU n.259 del 6-11-2017)
ABG	Pass	Anforderungen an bauliche Anlagen bezüglich des Gesundheitsschutzes (ABG), Entwurf 31.08.2017/August 2018 (AgBB)
Belgian Regulation	Pass	Royal decree of May 2014 (C-2014/24239)
EMICODE *	EC 1 PLUS	apr-19
Indoor Air Comfort®	Pass	Indoor Air Comfort 6.0 of February 2017
Indoor Air Comfort GOLD®	Pass	Indoor Air Comfort GOLD 6.0 of February 2017
Blue Angel (DE-UZ 123)	Pass	DE-UZ 123 for "Low-Emission Sealants for Interior Use", (January 2019)
BREEAM International	Exemplary Level	BREEAM International New Construction v2.0 (2016)
BREEAM® NOR	Pass	BREEAM-NOR New Construction v1.2 (2019)
LEED	Pass	v 4.1 July 2019

* This test report does not alone entitle to use the protected trademark label EMICODE.

METHOD OF USE

Adhesion and surface preparation: **MS TECHNO LIGHT** provides an excellent primerless adhesion on grease and dust free surfaces of steel, stainless steel, zinc coated steel, chromate, brass, aluminium, anodised aluminium, wood, glass and vetrified surfaces, ceramic, polyester, uPVC, ABS, polystyrene. It is not suitable for PE, PP, PTFE.

In consideration of the great variety and characteristics of paints and finishing products, a previous testing is always recommended.

In particular conditions the use of a suitable primer improves the adhesion. More detailed information on surface preparation are contained in the selection chart "**Primer for MS sealants**".

Application: apply the sealant using a hand or air gun, extruding a continuous bead and forcing it in contact with the joint sides.

Any required tooling should be carried out within 10 - 15 minutes from the application.

A correctly made joint ensures maximum absorption capacity of movements by the sealant and, therefore, the sealant's long life and efficiency. Joints subject to movement must be of a size and shape compatible with the elongation capabilities of the sealant.

Rectangular sections with a depth less than the width and grip only on the side walls minimise stresses on the adhesion and the risk of tearing. For correct dimensioning of the section and to prevent the sealant from adhering to the third wall, it is recommended that **FILTENE**, a non-stick profile made of polyethylene foam, be inserted into the bottom of the joint.

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 LIGHT** 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
1004440	transparent	290 ml. cartridge	24

* Other sizes available on request



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