

MS TECHNO



MS TECHNO is a one part, moisture curing high performance adhesive sealant based on MS Polymer™. Its high green strength and excellent adhesion to a wide range of surfaces make **MS TECHNO** suitable for durable high performance joints and elastic sealing.

MS TECHNO shows all the characteristics of MS Polymer™ technology.

- Solventless, isocyanate free.
- Virtually no shrinkage, non slumping.
- Flexible at low (–40°C) and high (+ 100°C) temperatures.
- Odourless, neutral reaction, non corrosive.
- Fast curing.
- Compatible with many painting systems (test suggested before use).
- Excellent adhesion to many substrates.
- High resistance to ageing and UV radiation, suitable for outside and inside applications.
- Pasty, fast setting.

Typical uses

- Assembling of insulated panels, partition walls.
- Overlap and butt joints between plates, profiles, frames.
- Bonding wood panels and profiles even painted, plasterboard panels, plastic laminate, uPVC to metal structures.
- For bonding overlaps between metal sheets or metals and other surfaces onto which is not possible to realise weldings or mechanical fixing in building, means of transport, metal carpentry.
- For bonding metal profiles (U) onto glasses, plastic sheets, metal panels in refrigeration industry, refrigerators, furnishing, means of transport.
- Bonding and sealing of ventilation and conditioning ducts.
- For assembling mirrors.
- For bonding stiffening ribs onto metal sheet or fibreglass in structures subjected to vibrations or between materials with different thermal expansion.
- Insulation and covering of containers.
- For bonding wood and metal in door and window frames.

Properties

Base material : MS Polymer

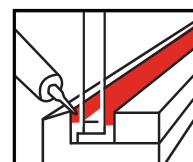
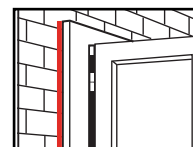
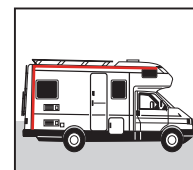
Consistency : paste

Application temperature : +5° +35°C

Availability

Code	Colour	Packaging	pcs./box
1004316	white	290 ml. cartridge	24
1004016	grey	290 ml. cartridge	24
1004020	black	290 ml. cartridge	24

25 Kg. drums and other colours available on request.



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Technical data

Specific gravity :	1,55 kg/dm ³
Shore A Hardness :	55
100% modulus (DIN 53504) :	1,5 MPa
Tensile strength (DIN 53504) :	3,0 MPa
Elongation at break :	500%
Tear resistance (ASTM D 624-73) :	20 N/mm
Skin forming time :	10 min.approx. (20°C 50% R.H.)
Curing speed :	3-4 mm at 24 hours(20°C 50% R.H.)

Values given in this table must not be considered as specifications

Method of use

Adhesion and surface preparation: MS Techno has an excellent primerless adhesion to degreased surfaces of steel, 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 informations about surface conditioning are available in the selection chart of **Primers for MS Sealants and adhesives**.

Used as adhesive: MS Techno 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.

Storage stability

12 months (290 ml. cartridge), 18 months (600 ml. sausage), 6 months (25 Kg. drum) for the product stored in the original sealed pack at a temperature range from + 5°C to + 25°C.



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