

MS SUPER FAST



Moisture curing one-part neutral sealant based on MS Polymer™, with high initial grip.
Fast setting, with high cohesive ability immediately after extrusion, has excellent adhesion to a great variety of surfaces.
MS Super FAST produces high-performance seals and elastic joints.
Especially suited to produce elastic bonding joints, can be used as a sealant.

- Solventless and free from isocyanate.
- Virtually not shrinking.
- Flexible at low (–40°C) and high (+ 120°C) temperatures.
- Neutral reaction, odourless.
- Very fast curing.
- Compatible with most paint systems.
- Overpaintable soon after skin formation, without any negative effects on hardening of the sealant and the properties of the paint.
- Very good adhesion to a wide number of substrates.
- Very good resistance to ageing and to UV Radiation.
- Pasty appearance and extremely reduced grip time.

Typical uses

- Bonding of strengthening ribs on metal plates and fibreglass plates, and generally on most structures subject to continuous vibrations or between materials with very different thermal expansion.
- Bonding of metal, plastic and fibreglass profiles in the assembly of containers, camper, vans and other means of transportation.
- Assembly of insulating panels.
- Gluing of panels made of steel, painted metals, plastic laminate, uPVC and other plastics, to frames and 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.
- Insulation and covering of containers and vans.
- High modulus elastic sealant suitable to seal materials sensitive to acid and to plasticizers such as marble, granite, sandstone.

Properties

Base material : MS Polymer
Consistency : paste
Application temperature : +5° +35°C

Availability

Code	Colour	Packaging	pcs./box
1004951	white	290 ml. cartridge	24
1004603	white	600 ml. foil pack	12
1005070	black	290 ml. cartridge	24

25 Kg. drums and other colours in 600 ml. sausages available on request.

Technical data

Specific gravity :	1,4 kg/dm ³
Shore A Hardness :	55
100% modulus (DIN 53504) :	1 - 1,5 MPa
Tensile strength (DIN 53504) :	3 - 3,5 MPa
Elongation at break :	300%
Tear resistance (ASTM D 624-73) :	18 - 20 N/mm
Skin forming time :	7 min. approx. (20°C/50% R.H.)
Curing speed :	4 mm after 24 h. (20°C/50% R.H.)

Values given in this table must not be considered as specifications



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Method of use

Adhesion and surface preparation: **MS Super Fast** has a very good primerless adhesion, provided surfaces are free from grease, on steel, galvanised steel, anodised aluminium and aluminium, on painted surfaces in general, on wood, glass and glazed surfaces, polyester and uPVC.

For application under severe conditions, such as under extremely wet conditions, or on porous surfaces, the use of a suitable primer can improve adhesion of the sealant.

More detailed informations about surface conditioning are available in the selection chart of “**Primers for MS Sealants**”.

Application: when used as an **adhesive**, **MS Super Fast** can be applied by a hand operated gun or an air gun onto only one part. Join the parts together within 10'. 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.

When used as a **sealant**, any tooling should be carried out within 10 minutes from the application.

Storage stability

18 months (290 ml. cartridge - 600 ml. foil pack), 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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