



MS1937 Modified Silane Sealant & Adhesive

MS1937 is a high quality, neutral, elastic single component adhesive/sealant based on MS-Polymer, which cures by reaction with moisture to an elastic product. The skin formation and curing time are dependent on humidity and temperature, and the curing time also depends on joint depth. By increasing the temperature and moisture these time can be reduced; low temperature as well as low moisture retard the process.

MS1937 is a good compromise between an adhesive and a sealant based on MS-Polymer. MS1937 is suitable for elastic seal which also high strength is required.

MS1937 is odourless and free of solvents, isocyanates, silicones and PVC. It demonstrates good adhesion without primer to many substrates and is compatible with suitable paint systems. The adhesive/sealant also demonstrates good UV resistance and therefore can be used for interior and exterior applications.

Technology / Base	MS-polymer
Type of Product	Adhesive/Sealant
Components	One component
Curing	Humidity cure
Appearance / Color	White/Black/Gray
Consistency	Thixotropic paste

Features and Benefits

- < 1% VOC
- Odourless
- Non-corrosive
- Primerless adhesion on many substrates
- High performance mechanical properties
- Color stable and UV resistant
- Ecological advantages – free of isocyanates, solvents, halogens and acids
- Paintable

Typical Applications

- Elastic bonding of metals and plastics.
- Elastic, interior and/or exterior seam and joint sealing.

In the following areas: vehicle body, caravan, railway carriage, container ,general metal and apparatus construction; the electrical, plastics, air-conditioning and ventilation industries.

Application Instructions

The substrates must be clean, dry, free of oil and grease.
Sausage is applied with the corresponding Hand or Air pressure pistols. In the case of compressed air application, a pressure of (0.2-0.4) MPa is required.

After application, MS1937 can be smoothed with soapy water.

Storage Conditions

Recommended storage temp: 8°C to 28°C
Shelf-life: 12 months in original packaging

Typical Packaging

Cartridge 430g
Sausage 400ml 600ml

Disposal Advice

Please refer to the MSDS for disposal instructions.

Safety Advice

Please refer to the MSDS for safety advice.



Adhesion

MS1937 has been tested and found to have excellent adhesion to the following unprimed substrates: aluminum, acrylic-coated aluminum, brass, steel, stainless steel, glass, fiberglass, ABS, rigid PVC, polyester etc.
 By the manufacturing of plastics, external release agents are used; these agents have to be removed prior to use.
 Depending on the surface it can be necessary to roughen the surface or to use a primer as an adhesion promoter to provide optimum adhesion.

Application Limitations

When bonding and sealing PMMA and polycarbonate, under tension, stress corrosion cracking may occur. In such cases MS1937 should not be utilized.

Paintability

MS1937 may be over-painted, however due to the large number of paints and varnishes we strongly recommend a compatibility test before application. The drying time of alkyd resin based paints may increase.

Technical Data

	Value	Condition/Method
Rheology		
Sag resistance	No sagging	
Density		
Specific Density	approx. 1.45	
Curing		
Skin formation time (min)	5-20	(23±2)°C,(50±5)% relative humidity
Cure rate (mm/24h)	approx. 4	(23±2)°C,(50±5)% relative humidity
Cured Mechanical Properties		
Hardness (Shore A)	approx. 55	ISO7619, GB/T531
Tensile Strength (MPa)	approx. 3.0	ISO37, GB/T528
Elongation to Break (%)	approx. 200	ISO37, GB/T528
Thermal Indication		
Application temperature	5°C to 40°C	
Operating temperature	-40°C to 100°C	
Short exposure	120°C	

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