

Technical Adhesives / MS Polymer Based Adhesives

POLYMERA® MS 960

MS Polymer Based Auto Glass (Windshield) Adhesive

DESCRIPTION

MS Polymer based, single component, elastic, solvent and isocyanate free, hybrid, **auto glass (windshield)** adhesive.

APPLICATION AREAS

- Elastic bonding of vehicle glasses, production of automotive, container, vehicle body and caravan.
- Joints of sheets and metal for adhesion, isolation and the absorption of the vibrations in the

TECHNICAL PROPERTIES

Appearance	High viscosity MS paste
Color	Black
Sag Resistance	Good
Density	1.44 ± 0.05 g/cm ³
Hardness (Shore A)	65 ± 5
Film Formation Time	35 ± 10 minutes
Curing Rate	3 mm / 24 hours
Time to put the vehicle into service	6 hours (MDAT/FMV212)
Tensile Strength	≥ 3 MPa (DIN 53404)
Elongation at Break	> 300% (7 days)
Application Temperature	Between +5°C and +35°C
Service Temperature	Between -40°C and +80°C

ADVANTAGES

- Single component**, easy to apply.
- Tolerates all kinds of movements and protects its sealing properties in joints thanks to its **high modulus (HM) and high adhesion** property.
- Does not lose volume or mass when cured.
- Does not cause bubbles following applications on damp surfaces.
- Resistant to UV**, does not crack or turn to yellow.
- Does not sag or spread.
- Cold applied.
- Durable as it does not contain **solvent** and **isocyanate**. Does not shrink, sag or peel off. Has **low VOC** content.
- Provides strong and elastic adhesion in vehicles exposed to vibrations.
- Can be **overpainted** with waterborne and other types of paints.
- Prevents mould and fungus formation.
- Cures neutrally, **odorless**.
- Adheres perfectly on many surfaces **without primer**.
- Protects its elasticity even at low and high temperatures (-40°C and +80°C) once cured.

CONSUMPTION

The consumption amount varies depending on the application surface and the load on it.

PACKAGING

600 ml aluminum sausages.

APPLICATION

PREPARATION OF THE SURFACE

- Remove the damaged glass, make sure that the application surface is clear of materials that prevent bonding, such as dust, oil, tar, pitch, paint, silicone, curing material and detergents.
- Clean completely previously applied and cured adhesives mechanically. Do not apply on old products that are not completely cleaned.
- Under normal conditions there is no need for primer. However, priming can be done depending on the condition of the surface.

APPLICATION

- Cut the sausage packaging at one end and insert into the appropriate sausage gun. Place the cap nut on the cylinder of the gun.
- Apply the product to the surface with the gun and bond the surfaces to each other.
- Clean the material contaminated in unwanted places with solvent or alcohol within maximum 5 minutes. If this period is exceeded and curing is completed, cleaning can only be done mechanically.

CAUTION

- Avoid application at temperatures below +5°C and above +35°C.
- Do not use in unventilated areas and places where relative humidity is low as it needs moisture in the air for curing.
- At low temperatures, the product viscosity increases. Therefore, allow the the product to reach ambient temperature before use.
- Complete the glass installation within the specified open time of the product.
- Do not move the vehicle before the product is fully cured.

SHELF LIFE

Expires in 9 months. Store unopened packages between +10°C and +25°C in dry, cool and moisture free areas protected from sunlights. Stack maximum 7 packages on a pallet.

HEALTH AND SAFETY

As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, rinse with water. Do not leave the cover open. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Construction Chemicals Ltd. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.