

Technical Adhesives / MS Polymer Based Adhesives**POLYMERA[®] MS 960**

MS Polymer Based Auto Glass Adhesive

DESCRIPTION

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

APPLICATION AREAS

- Elastic bonding of vehicle windows,
- Bonding, isolation and absorption of vibration at sheet metal and metal joints in automotive, container, body and caravan manufacturing.

TECHNICAL PROPERTIES

Appearance	High viscosity MS paste
Color	Black
Density	1.47 ± 0,05 g/cm ³
Hardness (Shore A)	65 ± 5
Film Formation Time	25 ± 10 minutes
Curing Rate	4 mm / 24 hours
Tensile Strength	≥ 3 MPa (DIN 53404)
Elongation at Break	> 300% (7 days)
Application Temperature	Between +5°C / +35°C
Service Temperature	-40°C / +80°C

ADVANTAGES

- **Single component**, easy to apply.
- Tolerates all kinds of movements and protects its isolation 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. Can be used outdoor.
- Durable as it does not contain **solvent** and **isocyanate**. Does not shrink, sag or peel off.
- Provides strong and elastic adhesion in buildings and vehicles exposed to vibrations.
- Can be overpainted with waterborne and other types of paints.
- Prevents mold and fungus formation.
- Cures neutrally, odorless.
- Adheres perfectly on many surfaces without primer.
- Protects its elasticity even in low and high temperatures (-40°C and +80°C) once cured.

CONSUMPTION

Varies depending on the application area 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 adhesion, such as dust, oil, tar, pitch, paint, silicone, curing material, detergent and other substances.
- 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 to be adhered with the gun and attach both 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.
- Avoid using in airless or low relative humidity environments since it needs moisture in the air to cure.
- Consider the increase in viscosity at low temperatures. Bring the product to ambient temperature before use.
- Complete the glass installation before the opening and holding time of the product is exceeded.
- Do not move the vehicle before the product is completely dry.

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

Contains diphenylmethane -4,4 diisocyanate. 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. Since it contains flammable substances, do not smoke, light a fire or use tools that can produce sparks (fans, etc.) during the application. Do not leave the cover open. Store out of the reach of children. Make sure to use in well ventilated areas.

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 Yapı Chemicals San. Trade Ltd. Sti. 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.