

**Technical Data Sheet**

MS60 Construction

Product Description

MS60 Construction is made of mono component MS polymer adhesives. These adhesives react with the humidity in the air and offers optimal sealing even in under pressure. The main advantage with this product is the speed at which skin can form as well as the curing speed in which 100% of the active matter reacts.

It is recommended to use this product in temperatures varying between -40 and 140°C but optimal qualities are achieved between 5 and 35°C. Shrinkage is at 1% and the elongation at break can go up to 400% which enables it to resist to impacts, vibrations and peeling. It has also obtained the M1/F1 accreditation for fire and smoke resistance. It is resistant to water, UV exposure, yellowing and aggressive environments such as alkaline, diluted acids, polar solvents, oils and more.



Main Applications

- Glass and metal – aluminum, steel and other alloys
- Technical plastics – ABS, PMMA, PVC and more
- Laminated glass
- Composites
- Powdered paint applications

Main Industries

- Transport
- Marine
- Signage
- Construction
- Plumbing

Characteristics

- Easy to apply by manual or compressed air gun extrusion
- The polymerization is at room temperature.
- Joints: Adhesive applied within 10mins with spatula at 20°C & 50% R.H.
- Bonding: Substrate applied within 30mins at 20°C & 50% R.H.
- Does not need primer
- There are no odors, but it is recommended to work in a ventilated area. Dangerous if ingested.

Application

Surface Preparation

- Metal surfaces: remove grease, loose contamination and poorly adhering oxides
- Most plastics: Simple cleaning is sufficient
- Some plastics may require sanding for best results

Storage

The shelf life of the product will be 1 year with its unopened original packaging and stored in a cool, dry place.

Packaging

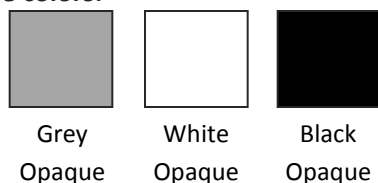
- 600mL sausages
- 290mL cartridges

Handling

Optimal qualities are obtained at room temperature (5 to 35°C) without post-curing.

Please refer to Material Safety Data Sheet for safe using and handling.

Available colors:



Grey Opaque White Opaque Black Opaque



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Properties

Physical

Tensile Strength at Break (MPa)	1.1
Elongation at Break (%) <i>ISO 527-1A</i>	300
Hardness (Shore A)	25

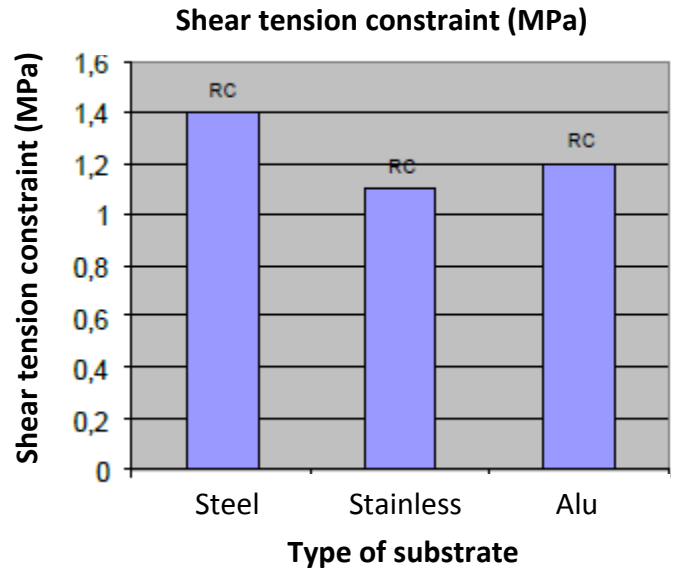
Liquid

Specific gravity (20°C) <i>g/cm³</i>	1.35 – 1.37
Viscosity (Pa.s) <i>At 25°C</i>	50 – 70

Curing

Skin formation time (min) <i>At 20°C & 50% R.H.</i>	30 – 60
Cure Speed (mm/24h) <i>At 20°C & 50% R.H.</i>	5
Temperature Range (°C)	-40 to 140

Mechanical



RC: Cohesive Failure
NF EN 1465

Note: The physical and performance characteristics shown are averages obtained from tests performed according to ASTM test methods. Matco can make no warranty of any kind as to the results of the adhesive product use. The information published here is representative of laboratory research on these products and is believed to be reliable. Values should not be used for specification purposes. Each user should make their own test to determine the product suitability for their own intended use and shall assume all risks and liabilities in connection therewith. Materials should be stored at 70°F (21°C) with 50% relative humidity.