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Material Technical Data Sheet

FORMOA 006 SW

Reviewed on 4 September 2006

### TECHNICAL CHARACTERISTICS

Base	MS Polymer®
Consistency	Paste
Curing System	Moisture Cure
Skin Formation (*)	Ca. 15 min. (20°C/50% UR.)
Specific Gravity	1.5kg/dm <sup>3</sup>
Hardness	50 + 5 Shore A (DIN 53505)
Temperature Resistance (fully cured)	-40°C to +100°C
Elasticity Modulus 100%	1.3-1.6MPa (DIN 53504)
Tensile Strength	3.0-3.5MPa
Elongation at Break	350%-400%
Tear Resistance (ASTM D 624-73)	18-20kg/cm

(\*)These values may vary depending on environmental factors, such as: temperature, moisture and type of substrates.

### PRODUCT

Formoa 006 SW is a high quality single component neutral sealant for joining sheet to metal, with fast and moisture curing based on MS Polymer® technology.

## APPLICATIONS

- Sealing between welded plates and overlapped plates in the automotive industry and the construction and repair of coach and car bodywork.
- For wood and metal joints with elastic properties in the freezing industry and the construction of containers for transport.
- Assembling insulating panels.
- Gluing and sealing with very good resistance to vibration on components made of steel, aluminium, wood, GRP and other plastic materials, painted surfaces on busses, paneled vehicles, campers and caravans.
- For sealing between steel structural work components.

## CHARACTERISTICS

- Solventless and free from isocyanate.
- Almost no shrinkage.
- Permanently elastic at temperatures in the range -40°C to +100°C
- Neutral reaction and odourless.
- 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.
- Resistant, without swelling or cracking, to paint cycles with temporary (30-60 minutes) high temperatures up to 180°C.
- Possibility of systematic use in industrial premises where painting operations are performed.
- Very good adhesion to a wide number of substrates.
- Very good resistance to ageing and to UV radiation.

## PACKAGING

*Colour:* White, grey

*Packaging:* Cartridge 290ml.

## SHELF LIFE

12 months in unopened packaging, in a cool and dry storage place at temperatures between +5°C and +25°C.

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## RESISTANCE TO CHEMICAL AGENTS

Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis.

Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrogens.

## SUBSTRATES

*Nature:* Clean, dry, free of dust and grease  
*Priming:* Porous surfaces should be primed with **Primer 150**.  
**Formoa Surface Activator** may be used on non porous surfaces.

We recommend preliminary compatibility tests previous to application.

## APPLICATION

*Method:* Manual or pneumatic caulking gun  
*Application temperature:* +5°C until +35°C  
*Cleaning:* White Spirit or **Surface Cleaner** immediately after application and before curing  
*Tooling:* Within 10 minutes of application  
*Painting:* 30 minutes after application the sealant can be overpainted without causing delays in curing time, but best results are obtained if the paint is applied in the 6 hours following application.  
*Repair with:* **Formoa 006 SW**

## HEALTH AND SAFETY RECOMMENDATION

Apply the usual industrial hygiene

*Remarks:*  
Formoa 006 SW may be overpainted with water based paints, however, due to the large number of paints and varnishes available, we strongly advise a compatibility test before application. The drying time of alkyd resin based paints may increase. Formoa 006 SW can be applied to a wide variety of substrates. Due to the fact that specific substrates, such as: plastics, polycarbonates, etc, may differ from manufacturer to manufacturer we recommend preliminary compatibility tests.

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