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Material Technical Data Sheet

FORMOA 006 Crystal

Reviewed March 2016

TECHNICAL CHARACTERISTICS

Base	MS Polymer®
Consistency	Stable Paste
Curing System	Moisture Cure
Skin Formation (*)	Ca. 10 min. (20°C/65% R.V.)
Curing Rate (*)	2mm/24h (20°C/65% R.V.)
Hardness	42+ 5 Shore A
Change in Volume	<4%
Specific Gravity	1.08g/ml
Maximum Deformation	+20%
Temperature Resistance (fully cured)	-40°C until +80°C
Tensile Strength	2.4N/mm ² (DIN 53504)
Elongation at Break	250% (DIN 53504)

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

PRODUCT

Formoa 006 is a high quality single component joint sealant, based on MS Polymer®. It is chemically neutral and fully elastic. For use in low movement joints in construction, automotive, marine and aerospace areas, where a tough, flexible rubber is required.



CHARACTERISTICS

- High bond strength on nearly all surfaces
- Excellent adhesion on porous and non porous substrates
- Flexible elastic rubber - movement accommodation up to 20%
- Straightforward application even in adverse conditions
- No bubble formation within sealant (in high temperature and humidity applications)
- Primerless adhesion (except where capillary water pressure can occur)
- Very easy to tool and finish
- Good extrudability
- Ecological advantages - free of isocyanates, solvents, halogens and acids
- Minimal health and safety considerations
- Can be painted with all water based paints and many other systems
- Resistance to many chemicals
- No staining of porous materials such as natural stone, granite, marble, etc.
- Not suitable for glass sealing

APPLICATIONS

Sealing and bonding in the building industry.
Structural bonding in vibrating constructions.
Sealing of trafficated floor joints and low movement wall joints
Joints in high rise constructions.
Connection joints in sheet metal fabrication.
Supple bonding in car bodies, caravans and containers.

PACKAGING

Colour: Clear

Packaging: Cartridge 290ml, Foil Bag 600ml, hobbock 20L and drums 200L on request

SHELF LIFE

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

RESISTANCE TO CHEMICAL AGENTS

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

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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.

JOINT DIMENSIONS

Minimal width: 2mm (bonding)
5mm (joints)
Maximal width: 10mm (bonding)
30mm (joints)
Minimal depth: 5mm (joints)
Recommendation: width of joint = 2X depth of joint

APPLICATION

Method: Manual or pneumatic caulking gun
Application temperature: +1°C until +30°C
Cleaning: White Spirit or **Surface Cleaner** immediately after application and before curing
Tooling: With soapy solution before skin formation
Repair with: **Formoa 006**

HEALTH AND SAFETY RECOMMENDATION

Apply the usual industrial hygiene

Remarks:

Formoa 006 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 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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