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Material Technical Data Sheet

FORMOA OHT

Reviewed on 24 April 2003

TECHNICAL CHARACTERISTICS

Base	MS Polymer ®
Consistency	Stable Paste
Curing System	Moisture Cure
Skin Formation (*)	Ca. 10 min. (20°C/65% R.V.)
Curing Rate (*)	2-3mm/24h (20°C/65% R.V.)
Hardness	50 ± 5 Shore A
Specific Gravity	1.62g/ml
Maximum Deformation	±20%
Temperature Resistance (fully cured)	-40°C until +90°C
Elasticity Modulus 100%	0.75N/mm ² (DIN 53504)
Tear Strength	1.9N/mm ² (DIN 53504)
Elastical Recovery	>75%
Elongation at Break	>600% (DIN 53504)
Shear Strength	>1.5N/mm ²
Substrate	AlMgSi1
Thickness	2mm
Shear velocity	10mm/min

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

PRODUCT

Formoa OHT is a high quality single component adhesive sealant, with high adhesive strength and initial tack based on MS Polymer ®. It is chemically neutral and fully elastic. For use in construction, automotive, marine and aerospace areas, where a tough, flexible rubber adhesive with powerful bond strength is required.

APPLICATIONS

- Sealing and bonding in the building industry.
- Sanitary and kitchen areas.
- Sealing of floor joints and low movement wall joints
- Structural bonding in vibrating constructions.
- Connection joints in sheet metal fabrication.
- Paintable gap filler and sealant.
- Mirror bonding direct onto the back of the mirror.

CHARACTERISTICS

- High initial tack reducing the need for initial support
- High bond strength and fast cure on nearly all surfaces
- Excellent adhesion on porous and non porous substrates
- Primerless adhesion even on damp surfaces (due to **Formoa OHT**'s unique adhesion promoters)
- High performance mechanical properties
- 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)
- Solvent free and completely neutral - minimal health and safety considerations
- Very easy to tool and finish
- Good extrudability even at low temperatures
- Colour stable and UV resistant
- Ecological advantages - free of isocyanates, solvents, halogens and acids
- Can be painted with all water based paints and many other systems
- Resistance to many chemicals and withstands mould growth
- No staining of porous materials such as natural stone, granite, marble, etc.

PACKAGING

Colour: White, black, other colours on request

Packaging: Cartridge 290ml, Foil Bag 600ml, hobcock 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 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: +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 OHT**

HEALTH AND SAFETY RECOMMENDATION

Apply the usual industrial hygiene

Remarks:

Formoa OHT 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 OHT 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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