TECHNICAL DATA SHEET

FORMOA 017

TECHNICAL CHARACTERISTICS

Base	MS Polymer®
Consistency	Paste
Curing System	Moisture Cure
Skin Formation (*)	Ca. 5 minutes (20ºC/65% R.V.)
Curing Rate (*)	3 - 4 mm/24h
Hardness	68 ± 5 Shore A
Specific Gravity	1,52 g/ml
Maximum Deformation	± 20%
Temperature Resistance (fully cured)	- 40ºC to + 90ºC
Elasticity Modulus 100%	2,00 N/mm²
Tear Strength	2,80 N/mm²
Elongation at Break	> 250%
Shear Strength	> 2 N/mm²
Substrate	AlMgSi1
Thickness	2mm
Shear Velocity	10 mm/min

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

PRODUCT

Formoa 017 is a high quality single component adhesive-sealant with high stiffness and very high adhesive strength. It is based on MS Polymer®, chemically neutral and fully elastic.

FORGEWAY

APPLICATIONS

- For use in bonding applications in the car, coach, caravan, marine, train, aerospace industries where a tough and flexible bond is required
- Structural elastic bonding between metal surfaces, coated surfaces and many plastics (not PE, PP, Teflon)
- Vehicles which pass through paint tunnels
- Structural bonding in vibrating constructions
- Backfilling/seaming between glass and body side

CHARACTERISTICS

- High performance mechanical properties
- Combines high stiffness with very high bond strength
- High green strength, quick build-up of end strength, high sheer strength after full cure
- Does not contain isocyanates, silicone, solvent
- Can be sanded after full cure
- Flexible elastic rubber - movement accommodation up to 20%
- No bubble formation within sealant (in high temperature and humidity applications)
- Very easy to tool and finish
- Colour stability and UV resistance
- Can be painted wet-on-wet in paint trains with most industrial paints
- Withstands all climatic conditions
- Minimal health and safety considerations

PACKAGING

Colour:	Black
Packaging:	290ml cartridge, 600ml foilpack, 20L pail, 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, chlorinated hydrocarbons.

FORGEWAY

SUBSTRATES

Nature:	Clean substrate using Formoa Surface Activator. Allow 10 minutes to flash off and activate. A 'milky' white residue left on the glass is correct

APPLICATION

Method:	Manual or pneumatic chalking gun
Application temperature:	+5°C to +30°C
Cleaning:	White Spirit or Surface Cleaner immediately after application and before skin formation
Tooling:	Soapy solution before skin formation
Repair with:	Formoa 017

HEALTH AND SAFETY RECOMMENDATION

Apply the usual industrial hygiene.

REMARKS

Formoa 017 can be coated with many types of paints and varnishes. Due to the large variety of paints and coatings a compatibility test is strongly recommended. The drying times of allkyd resin based paints may increase.
Formoa 017 can be painted immediately after application "wet on wet" with waterbased industrial paints in paint ovens at temperatures of up to 200ºC for up to 45 minutes.
Formoa 017 can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, polycarbonate, etc, may differ from manufacturer, we recommend preliminary compatibility tests.
This product can not be used as glazing sealant.