

Technical Data Sheet



OCI ORGASIL 103 ACETIC CURE SILICONE SEALANT

Physical Data :

Unvulcanized Rubber

Density at 25 °C	:	0.98 +/- 0.02 g/cm 3
Sag / Slump (ISO 7390)	:	< 2mm
Shrinkage (%)	:	< 20
Skin-forming time (at 27 °C/ 70% r.h)	:	6 - 9 mins
Cure Time (to 3/8" @ 27 °C and 50% r.h)	:	5-7 days

Vulcanized Rubber

Tensile strength (ASTM D412)	:	1.5 MPa
Dynamic Joint Movement	:	+/- 25%
<small>(continue extension & compression 1/8" per hour)</small>		
Hardness Shore A (ASTMD2240)	:	22 - 25
Elongation At Break (ASTM D412)	:	>350%
Application Temperature Range	:	-37°C to +60°C
Temperature resistance	:	-62°C to +150°C

Typical property data values should not used as specifications.

Characteristics :

Orgasil 103 series silicone sealant are one part acetoxy silicone sealant which cures with atmospheric moisture to form a rubberlike seal for specialised sealing, bonding, repairing and mending of glass and window construction, double glazing, aquariums, shower screens and sanitary ceramics. It also adheres to fiberglass, aluminium, non oily woods, plastics and painted or non porous surfaces.

Orgasil 103 series silicone sealants are unaffected by high or low temperature and their physical properties are designed for outstanding durability and performance.

Application :

Orgasil 103 series Acetic cure All purpose silicone sealants are suitable for use in :

- sealing
- bonding
- Repairing & Mending of glass
- Window construction double glazing in window
- Aquarium
- Shower Screen
- Sanitary
- Air Conditioning
- Ventilator
- Bedding of marine hardwares

Orgasil 103 series silicone sealants exhibits an excellent adhesion to :

- glass tiles
- ceramics
- aluminium
- fiberglass
- non-oily woods
- painted surfaces
- Plastic ; eg. Epoxies, polyester, polyacrylate and other non porous surfaces

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Product Code & Colour :

Product Code	Colour
OCI Orgasil 103	Black
OCI Orgasil 103	Bronze
OCI Orgasil 103	Clear
OCI Orgasil 103	Grey
OCI Orgasil 103	White

Limitation :

- Not for : Use in areas of constant water immersion
- Not for : Traffic areas or areas subject to abrasion
- Not for : Structural glazing
- Not for : Bathroom
- Orgasil 103 silicone sealant are not recommended for minor installation without the approval the of the mirror manufacturer.

Surface Preparation :

- The silicone sealant should be applied at a thickness not to exceed 6mm (1/4 in) from an exposed edge. The recommended minimum joint dimension is 1/4" x 1/4" and the maximum joint dimension is 1" x 3/8"..
- Ensure all surfaces that will be in contact with the sealant must be clean, dry, free of dust ,dirt, rust, oil and other contaminants.
- Nonporous substrates should be clean with solvent and wipe dry immediately with cloth before the solvent evaporates from the surface. Porous surfaces should be roughen with a stiff-bristled brush, ubbed down or sandblasted.

Packaging, Storage & Shelf Life :

- Orgasil 103 series silicone sealant is available in 300 ml per cartridge.
- When stored in the original unopened container at temperature less than 27 °C.
- Orgasil 103 series sealant offers a shelf life of 12 months from date of shipment.

Safety Precaution :

- Ensure good ventilation if used indoors.
- Contact of unvulcanised silicone sealant with eyes and mucuous membranes must be avoided as this will cause irritation.
- Prolonged contact with eyes, flush with water and consult physician.
- Keep out of reach of children.
- Additional information is contained in our material safety data sheets available on request.
- Maximum recommended pressure for air operated guns with caulking cartridges is 45 psi (3.2kgs/cm³).

Other Information :

Every endeavor has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for loss or damage that may result from the use of the information, due to the possibility of variation of processing or working conditions and of workmanship outside our control. User are advised to confirm suitability of this product by their own tests.