

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

PRIME Silicone Sealant professional a neutral cure, premium performance silicone sealant designed for weather sealing, glazing application, gap filling and sealing in a wide range of use in building and construction. **It forms highly resistive weatherproof seal, combines the advantages of outstanding adhesion to building materials** and non-corrosive.

FEATURES AND ADVANTAGES

- ✓ Provides permanent elasticity thanks to its 100% solventless silicone formula.
- ✓ Excellent weatherproof and UV resistant.
- ✓ No Cracking or Shrinking.
- ✓ Water resistant.
- ✓ Excellent flexibility and adhesion to numerous porous and non-porous.
- ✓ Substrates for large scale construction and glazing applications.
- ✓ Resistant to temperature extremes (-60 °C to +120 °C).
- ✓ Fast curing, low modulus, high-elasticity.
- ✓ High viscosity non slump formula.
- ✓ CE marked for EN 15651 for facade.

APPLICATION AREAS

- ✓ Premium weather sealing and joint sealing for walls, windows and doors.
- ✓ Sealing and mounting the window and door frames.
- ✓ Glass to glass and glass to aluminium sealing.
- ✓ Sealing application in kitchens and bathrooms.
- ✓ Sealing of connection joints in building industry (brick, wall, concrete, PVC, wood, glass etc.)

PREPARATION AND APPLICATION

- ✓ Ensure that surfaces to be sealed are clean, dry and grease free.
- ✓ The application temperature must be between +5°C and +40°C.
- ✓ In order to reduce the deformations of the joints, their depth must be much less than their width, minimum dimensions are 5x5 mm, for wider joints the depth should be preferably half of the width and it is adjusted by the use of a backup material.
- ✓ After the application, the sealant must be tooled with light pressure within 5 minutes to spread the material against the joint surfaces and to obtain a professional finish.
- ✓ Excess uncured sealant may be cleaned with solvent. Cured sealant can be removed barely mechanically.
- ✓ Recommended joint widths are >10 mm and < 35 mm.
- ✓ Joint width and depth ratio should be about 2:1.

Consumption (approx.)(Table 1)

Joint Width	10mm	15mm	20 mm
Joint Depth	6mm	8mm	10 mm
Efficiency	5 meters	2.5 meters	1.5 meters

PACKAGING

Product	Volume	Package
Clear/ White / Black / Grey	290ml	24
Clear / White / Black / Grey (Sausage)	600ml	20

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SHELF LIFE AND STORAGE

15 months if stored in its original package, away from direct sunlight and moisture, between +10 °C and +25 °C

RESTRICTION

- ✓ It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- ✓ Not over paintable.
- ✓ Do not use in conjunction with bitumen asphalt, neoprene and certain organic elastomers.
- ✓ It is not suitable for food contact applications.
- ✓ Do not use to produce swimming pool joints.
- ✓ Can yellow if exposed to bleach of HCL based brick cleaners whilst curing.
- ✓ Inhalation of the sealant vapor for a long period must be avoided. The application area must be ventilated properly. The uncured sealant must not be contacted for a long period. Cured silicone rubber bear no risk to health.

TECHNICAL PROPERTIES

Basis	: Silicone Polymer	
Curing System	: Neutral	
Density (Clear)	: 1.02± 0.03 g/ml	(ASTM D 792)
Density (Other Colors)	: 1.20± 0.03 g/ml	(ASTM D 792)
Hardness Shore A (Transparent)	: 17-25 (after 28 days)	
Hardness Shore A (Other Colors)	: 22-32 (after 28 days)	
Tensile Strength	: ≤ 0,4 N/mm ² (23°C and 50% R.H)	(ISO 8339)
Temperature Resistance	: -60°C to +120°C	
Application Temperature	: +5°C to +40°C	
Elongation At Break (Transparent and Aluminum)	: ≥ 400%	(ASTM D412)
Elongation At Break (Other Colors)	: ≥350%	
Elastic Recovery	: Approx. 100%	(ISO 7389)
Sagging	: 0 mm	(ISO 7390)

DISCLAIMER

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