NEUTRAL SILICONE SEALANT

A neutral cure, high performance silicone sealant designed for gap filling and sealing in a wide range of use in building and construction. It combines the advantages of outstanding adhesion to building materials and non-corrosive and odorless curing.

2 – PROPERTIES

- One component, moisture-cured.
- Excellent primer less adhesion to numerous porous and non-porous substrates.
- Noncorrosive. Does not react with or corrode common building materials.
- Excellent weather ability in direct sunlight, rain, snow and ozone.
- Resistant to temperature extremes (-60 °C to +180 °C).
- Fast curing.
- Low modulus, high elasticity.
- 100% Silicone, solvent less.
- Very low odor.
- **Conforms to the requirements of VOC content specifications in LEED credit EQc4.1 "Low-emitting products" of SCAQMD rule 1168.**

3 – APPLICATION AREAS

- Sealing of connection joints in building industry (brick, wall, concrete, PVC, wood, glass etc.)
- Weather seal applications.
- Mounting of windows and doors.
- Glazing works.
- Sealing applications in kitchens and bathrooms.

4 - INSTRUCTIONS

- 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.)

Joint Width	10mm	15mm	20 mm
Joint Depth	6mm	8mm	10 mm
Efficiency /310 ml	5 meters	2.5 meters	1.5 meters

5- STORAGE AND SHELF LIFE

- The shelf life is 15 months if stored in unopened-original package at room temperature.

6- PACKAGING

Product	Volume	Package
Transparent	310ml	24
White	310ml	24
Black	310ml	24
Aluminum	310ml	24
Grey	310ml	24
Brown	310ml	24

7- RESTRICTIONS

- It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Not over paintable.
- It is not suitable for food contact applications.

8- SAFETY

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 bears no risk to health.

9- TECHNICAL PROPERTIES

Basis	: Silicone Polymer(Oxime)	
Curing System	: Neutral	
Density (Transparent and Aluminum)	: 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 and Aluminum)	: 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)
Skin formation	: 5-10 min. (23°C and 50% R.H)	
Curing Rate	: Min. 2,5 mm/day (23°C and 50% R.H)	
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)
Temperature Resistance	: -60°C to +180°C	
Application Temperature	: +5°C to +40°C	