

# NEUTRAL SILICONE SEALANT

## 1 – DESCRIPTION

**Neutral Silicone Sealant** is a neutral cure high performance silicone sealant designed for a wide range of building and construction joints. It combines the advantages of outstanding adhesion to building materials and non-corrosive and odourless curing.

## 2 – PROPERTIES

- One component, moisture-cured.
- Excellent primerless adhesion to numerous porous and non-porous substrates
- Noncorrosive. It will 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, solventless
- Very low odour

## 3 - APPLICATIONS

- 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 back up 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

## 5- STORAGE AND SHELF LIFE

12 months if stored in dry and cool conditions.

## 6- PACKAGING

Product	Volume	Package
Transparent	310ml	30
White	310ml	30
Black	310ml	30
Aluminum	310ml	30
Grey	310ml	30
Brown	310ml	30

## 7- RESTRICTIONS

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

## 8- SAFETY

Inhalation of the sealant vapour for long periods must be avoided. The application area must be ventilated properly. The uncured sealant must not be contacted for long periods. Cured silicone rubber bears no risk to health.

## 9- TECHNICAL PROPERTIES

<b>Basis</b>	: Silicone Polymer
<b>Curing System</b>	: Neutral
<b>Density</b>	: 1.00± 0.02 g/ml (ISO 1183)
<b>Hardness Shore A</b>	: 20-30 (after 28 days) (ASTM C661)
<b>Tensile Strength</b>	: 0.3 - 0.4 N/mm <sup>2</sup> (23°C and 50% R.H) (ASTM D412)
<b>Skin formation</b>	: 5-15 min. (23°C and 50% R.H) (ASTM C679)
<b>Curing Rate</b>	: Min. 2,5 mm/day (23°C and 50% R.H)
<b>Elongation At Break</b>	: > 350% (ISO 8339)
<b>Elastic Recovery</b>	: ≥ 60% (ISO 7389)
<b>Sagging</b>	: 0 mm (ISO 7390)
<b>Temperature Resistance</b>	: -60°C to +180°C
<b>Application Temperature</b>	: +5°C to +40°C