



## NEUTRAL MIRROR SILICONE SEALANT

### 1 – DESCRIPTION

**NEUTRAL MIRROR SILICONE SEALANT** is a high performance, neutral cure silicone sealant designed particularly for bonding mirrors.

### 2 – PROPERTIES

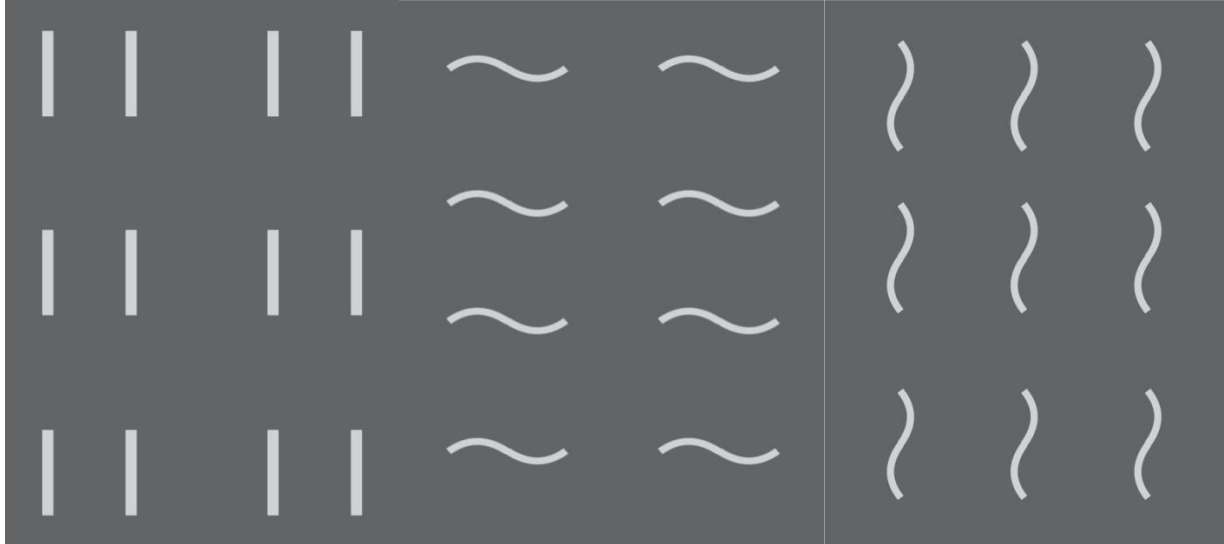
- Non-corrosive to mirrors.
- One component, moisture-cured.
- Resistant to temperature extremes (-60 °C to +180 °C)
- Fast curing.
- Highly elastic.
- %100 Silicone, solvent less.
- Very low odor.
- **Conforms to the requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168.**

### 3 – APPLICATION AREAS

- Bonding mirrors.
- Glazing works.
- Sealing applications where a low odor is required.

### 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.
- If more than one mirror will be bonded, min 1-2 cm space should be left between mirrors. (For air circulation).
- If the sealant will be applied on a vertical surface, it should be between 3-5 mm thick , 10-30cm long (depends on the length of mirror) and approximately 3-7 cm space should be left between sealant lines.
- Sealant applications like circle or rectangle shaped would block the air circulation. Because of this, in course of time, degradation of mirror might happen.
- In 5-10 minutes the mirror has to be bonded to the surface after sealant application.
- After bonding, for preventing the mirror from slipping down, the mirror should be fixed with tool like a tape etc. For a better bonding, this fixing application should be done vertical, not horizontal.
- For full curing, at least 24 hrs should be waited after application (depends on thickness of sealant, humidity in the air and temperature).
- Excess uncured sealant may be cleaned with solvent. Cured sealant can be removed barely mechanically.



**Figure 1: Correct applications.**



**Figure 2: Wrong applications.**



## 5- PACKAGING

Product	Volume	Package
Transparent	310ml	24

## 6- STORAGE AND SHELF LIFE

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

## 7- RESTRICTIONS

- Neutral mirror silicone sealant is not over paintable.
- It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Avoid direct contact to food.

## 8- SAFETY

- Inhalation of the sealant vapor for long periods must be avoided. The application area must be ventilated, properly. The uncured sealant must not be contacted for long periods.

## 9- TECHNICAL PROPERTIES

<b>Basis</b>	: Silicone Polymer(Oxime)	
<b>Curing System</b>	: Neutral	
<b>Density</b>	: 1.02± 0.03 g/ml	(ASTM D 792)
<b>Hardness Shore A</b>	: 17-25 (after 28 days)	
<b>Tensile Strength</b>	: ≥ 1 N /mm <sup>2</sup> (23°C and 50% R.H)	(ASTM D412)
<b>Skin formation</b>	: 5-10 min. (23°C and 50% R.H)	
<b>Curing Rate</b>	: Min. 2,5 mm/day (23°C and 50% R.H)	
<b>Efficiency</b>	: Approx. 10 meters. (For 10 mm width 3mm thickness)	
<b>Elongation At Break</b>	: ≥ 400%	(ASTM D412)
<b>Elastic Recovery</b>	: Approx. 100%	(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	