

INSULATING GLASS (IG) SILICONE SEALANT

One- part silicone sealant developed for use as a secondary sealant in a dual-sealed insulating glass unit. Insulating glass sealant can bond the individual components, forming a weather-resistant unit.

FEATURES & BENEFITS

- Excellent unprimed adhesion to glass and metal substrates, such as galvanized steel, stainless steel,
- Single-component formulation minimizes waste and downtime by eliminating base purging and static mixer maintenance,
- Consistently non-slump, permitting automated glazing,
- Non-corrosive by products,
- Almost odorless fast curing formula,
- Resistant to temperature extremes (-60 °C to +180 °C).

Excellent
unprimed
adhesion of dual-
sealed insulating
glass units.

APPLICATION AREAS

- Primarily used as a secondary sealant in production of dual-sealed insulating glass unit production,
- Insulating glass silicone sealant can be also recommended with insulating glass units incorporating specialty glass types.

INSTRUCTIONS

- Ensure that surfaces to be sealed are clean, dry and grease free.
- The application temperature must be between +5 °C and +40 °C.
- See table 1 for basic secondary sealant design,
- To obtain optimum adhesion, joints should be tooled immediately after sealant application to ensure complete substrate contact.
- Excess uncured sealant may be cleaned with solvent. Cured sealant can be removed barely mechanically.

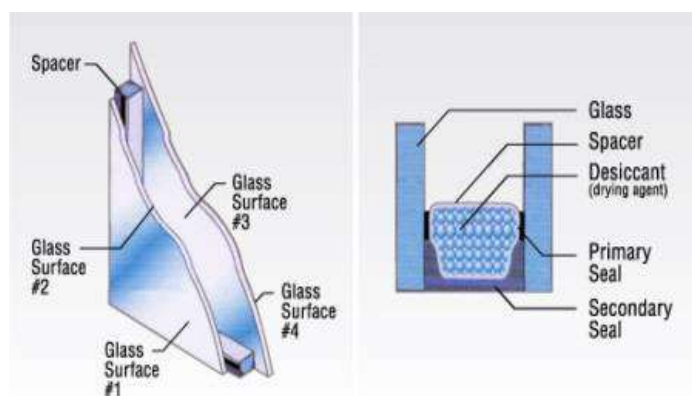


Table 1 : Insulating glass design

STANDARDS

Meets or exceeds the requirements of the following specifications:

- The French VOC requirements for class A+
- The requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168.

RESTRICTIONS;

- Should not be used as primary sealant in insulating glass production.
- 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.
- Can yellow if exposed to bleach or HCL based brick cleaners whilst curing.

STORAGE AND SHELF LIFE;

The shelf life is 12 months if stored in unopened-original package in a dry place at temperatures between +5°C and +25°C.

SAFETY & DISPOSAL

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. temperatures between +5°C and +25°C. Check MSDS guidelines for disposal and further information concerning safety.

PROPERTIES

Basis	: Silicone Polymer(Oxime)	
Curing System	: Neutral (Oxime)	
Density	: 1.33 ± 0.03 g/ml	(ASTM D 792)
Hardness Shore A	: 50 ± 5 (after 28 days)	(ASTM D412)
Tensile Strength	: ≥ 0,4 N/mm ² (23°C and 50% R.H)	(ISO 8339)
Skin formation	: Approx. 10 min. (23°C and 50% R.H)	
Curing Rate	: Min. 2,5 mm/day (23°C and 50% R.H)	
Elongation At Break	: Min. 200%	(ASTM D412)
Sagging	: 0 mm	(ISO 7390)
Yield	: Approx. 12 meters (600 mL) for 0.64 cm bead size	
Temperature Resistance	: -60°C to +180°C	
Application Temperature	: +5°C to +40°C	

PRODUCT

Product Type	Volume	Package
Black (Sausage)	600ml	12

DISCLAIMER

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