

Sikasil® Builders' Silicone

Neutral cure, weather sealing building silicone

Description	Sikasil Builders' Silicone is a general purpose, moisture-cured, one-component, non-sag, elastomeric, neutral cure silicone sealant. for building applications. Meets the requirements of ASTM C-920, Type S, Grade NS, Class 25, use NT, T, M, G, A, O; TT-S-00230C, Type II, Class A; TT-S-001543A, Class A; CAN/CGSB-19.13-M87, AAMA 802.3 Type II, AAMA 803.3, AAMA 805.2, AAMA 808.3 and California Air Resources Board 2003 requirements for Volatile Organic Compound content.
Where to Use	<ul style="list-style-type: none">■ As a weatherseal in conventional glazing■ Window and door fabrication■ Sealing expansion and control joints in precast concrete panels and metal curtain walls.■ Perimeter sealing of doors, windows, skylights and other building components■ Expansion and control joints■ HVAC, white goods assembly■ Glass, aluminum, tile, fiberglass, plastic, ceramic, masonry, concrete, brick and wood
Packaging	10.0 fl.oz. (295 ml) cartridge
Coverage	Approximately 12.2 linear ft. (3.7 lin. m) for ½ x ¼ in (13 x 6 mm) bead.
How to Use	
Surface Preparation	The substrate must be clean, dry, frost free, sound and free of any oils, greases or incompatible sealers, paints or coatings that may interfere with adhesion. POROUS SUBSTRATES – clean by mechanical methods to expose a sound surface free of contamination and laitance. NON-POROUS SUBSTRATES – for cleaning non-porous substrates, use two rag wipe method using xylene or an approved commercial solvent. Allow solvent to evaporate prior to sealant application. Strictly follow solvent manufacturer's instructions for safe handling.
Priming	Sikasil Builders' Silicone is designed to obtain adhesion without the use of a primer; however, certain substrates may require a primer. Test by applying the sealant and/or primer sealant combination to confirm results and proposed application methods. Contact Technical Service for additional information.

Typical Data (Material and curing conditions @ 73°F (23°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf Life	12 months in original unopened cartridge.
Storage Conditions	Store in unopened containers at temperatures lower than 80°F (27°C).
Color	Clear
VOC Content	36 g/L
Skin Time (MNA method)	20 minutes
Cure Time (ASTM C-679)	24 hours (depending on temperature and humidity will slow the cure of the sealant)
Non-sag Properties (ASTM C-639)	non-sag
Tack Free Time (ASTM D-679)	30 min.
Movement Capability (ASTM C-719)	+/-25%
Weathering Resistance	Excellent
Application temperature (product only)	-35°F to 140°F (-32°C to 40°C)
Service Temperature Range	-80°F to 350°F (-62°C to 176°C)

Residential



Application	Apply sealant to dry, clean surfaces. Do not break cartridge seal until just before use. Surfaces should be dried before the sealant is applied. Normally sealant skins in 8 minutes, dries to touch in 1 hour, and bonds in 24 hours. Apply using professional caulking gun. Do not open product container until preparation work has been completed. Apply sealant using consistent, positive pressure to force sealant into the joint. Tool sealant to create a concave joint shape and ensure maximum adhesion. Tooling should be completed in one continuous stroke. Tool immediately after sealant is applied and before a skin begins to form.
Limitations	<ul style="list-style-type: none"> ■ Cannot be overpainted. ■ Not intended for structural glazing. ■ Do not allow sealant to come in contact with solvent during cure. ■ Do not allow sealant to come in contact with curing polyurethane sealants during cure. ■ Not intended for immersion. ■ Sealant may be applied below freezing temperatures if substrates are completely dry, frost free and clean. Contact Technical Service for more information. ■ Do not apply when substrate temperatures are below -20°F or above 130°F. ■ Not recommended for horizontal traffic. ■ Not recommended for absorptive surfaces such as natural stone, particularly limestone or marble where staining may occur. Test before use. ■ Brass or copper may be discolored. Test prior to application. ■ Do not apply to surfaces that will be painted as sealant surface will not hold paint. ■ Do not apply to substrates that bleed oil, plasticizers or solvent. ■ Do not apply to damp or wet substrates. ■ Lower temperature and humidity will extend tack free and cure rates. ■ Allow treated wood to age six months before application. ■ Brass and copper may be discolored. Test apply prior to application. ■ Test sensitive substrates, such as mirror backings, for compatibility before use.
CAUTION	Irritant. Sensitizer. Contains Methyl ethyl ketoxime (CAS: 96-29-7), Oximino Silane (Trade Secret). Direct eye contact may cause irritation. Eye contact may cause conjunctivitis, corneal damage, or severe chemical burns. May cause skin irritation and sensitization. May be absorbed through the skin. May cause irritation to respiratory system. May cause drowsiness. May be harmful if swallowed. If heated, silicones can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin, and digestive system. Product contains oximes, possible skin sensitizers.
Handling and Storage	Use with adequate ventilation. Product evolves Methyl ethyl ketoxime (MEKO) and methanol when exposed to water or humid air. Provide adequate ventilation to control MEKO within exposure guidelines. Keep container closed and store away from water or moisture or oxidizing materials.
First Aid	In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, remove from skin and flush with water for 15 minutes. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. Get medical attention if irritation develops or ill effects persist. Treat according to person's condition and specifics of exposure.
Clean Up	Observe personal protective equipment recommendations described in MSDS. Disposal of collected product, residues, and cleanup materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Wipe up and contain for disposal. Final cleaning may require use of steam, solvents, or detergents.

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION

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