

9601 Silicone Mastic

TRUCO 9601 Silicone Mastic is a high performing sealant for protection of seams, penetrations & fasteners on various architectural surfaces and roofing substrates.

Upon cure, **TRUCO 9601 Silicone Mastic** forms a durable, breathable and weatherproof barrier that is highly resistant to degradation from UV and natural weathering.

KEY FEATURES AND TYPICAL BENEFITS:

- **Silicone Durability** – Cured silicone rubber exhibits excellent long-term resistance to natural weathering including: extreme temperatures, ultraviolet radiation, rain and snow.
- **VOC Compliant** – High solids solvent-free formulation and low Volatile Organic Compounds content.
- **Ease of Use** – Single-component material that can be applied with trowel, stiff brush or glove hand. Adequate open time provides sufficient time for tooling to applied area.
- **High Build Formulation** – Low sag.
- **Storage & Shelf Life** – TRUCO 9601 Silicone Mastic can be stored in unheated warehouses during the cooler months without the risk of freezing. Shelf life is 18 months from date of manufacture when properly stored.

Installation and Application Considerations

SURFACE PREPARATION:

TRUCO 9601 Silicone Mastic can be applied to itself as well as a variety of roofing materials and substrates including: single ply membranes (TPO, PVC, EPDM, CSPE, and hypalon), spray-applied polyurethane foam, metal, concrete and common parapet/coping materials. Asphaltic substrates such as; modified bitumen, smooth BUR, and granulated cap sheet which may require bleed blocker. Surfaces to which TRUCO 9601 Silicone Mastic is to be applied must be clean, dry, structurally sound and free of loose particles, dirt, dust, oil, frost, mildew and other contaminants. Damage to the underlying roof system, such as cracks, openings, holes, etc. should be properly repaired prior to application. Saturated substrates must be removed and repaired appropriately.

Users of TRUCO 9601 Silicone Mastic should verify that suitable adhesion can be attained to all existing roofing materials to be sealed prior to large scale application of the sealant. It is recommended that a test patch be cleaned and sealed with TRUCO 9601 Silicone Mastic to verify the effectiveness of the cleaning method and adhesion to the surface(s).



APPLICATION GUIDELINES:

Cured material can be removed from surfaces with a razor blade, or scrubbed off with steel wool or synthetic abrasive pads and solvent. Surfaces not intended for sealant should be masked or covered.

Apply TRUCO 9601 Silicone Mastic to ensure a uniform build and thorough coverage. TRUCO 9601 Silicone Mastic is typically applied in one application. If applying in multiple applications, allow adequate time between each application for the sealant to cure before applying additional material. Final cured thicknesses must be free of voids, pinholes, cracks or blisters.

APPLICATION TEMPERATURE:

TRUCO 9601 Silicone Mastic can be applied throughout the year as long as the substrates being sealed are completely dry. Frost and/or moisture will interfere with adhesion. Lower temperatures will lengthen the skin over, tack free and ultimate cure time and may require an overnight cure in winter months to allow the top coat application to proceed (film build may not be sufficient to allow walk over). Higher temperatures will accelerate the cure rate and decrease the open time of the sealant. Under summer conditions time to apply top coat over sealant may be as short as 1 hour. Do not apply TRUCO 9601 Silicone Mastic when substrate surface temperatures exceed 176°F (80°C).

APPLICATION EQUIPMENT:

TRUCO 9601 Silicone Mastic can be applied by trowel, stiff brush or gloved hand. Cleanup of equipment containing uncured material may be accomplished by cleaning with mineral spirits or toluene.
DO NOT USE water or alcohol based solvents.

PACKAGING & COLORS:

TRUCO 9601 Silicone Mastic is currently available in nominal 2 gallon plastic pails filled to 20 LBS - (9.08 KG).

Colors:

- TRUCO 9601 Silicone Mastic is currently available as a stock color in bright white.

TYPICAL PHYSICAL PROPERTIES:

Typical physical property values of TRUCO 9601 Silicone Mastic is set forth in the tables below.

Property(1)	Value(2)	Test Method
Appearance	Bright White	Visual
VOC	~34 g/L	EPA Method 24
Application Rate	500-1000 g/min	E56
Specific Gravity	1.18-1.25	P15
Sag/Slump	1 inch (25 mm)	ASTM D2202
Skin-Over Time	5-10 minutes	WPSTM C-560
Tack Free Time	30-60 minutes	ASTM C679
Cure Time	3-4 days	¼" (6 mm) depth of cure
Hardness (A) Type Indenter	24	ASTM D2240
Ultimate Tensile Strength	220 psi (1.52 MPa)	ASTM D412
Tensile at 50% Elongation	52 psi (0.358 MPa)	ASTM D412
Tensile at 100% Elongation	86 psi (0.593 MPa)	ASTM D412
Ultimate Elongation	230%	ASTM D412
Joint Movement	±25%	ASTM C719
Low Temperature Flexibility	Pass	ASTM D522 (B)

- (1) Properties tested @ 72°F (24°C), 50% RH
- (2) Typical properties are average data and are not to be used as or to develop specifications.

TECHNICAL SERVICES:

Additional technical information, literature, laboratory testing and application engineering are available upon request

CUSTOMER EVALUATION:

Customers must evaluate TRUCO Coating products and make their own determination as to fitness of use in their particular applications.

PRODUCT SAFETY, HANDLING AND STORAGE:

Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available upon request. Use of other materials in conjunction with TRUCO Coating products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

STORAGE & HANDLING:

TRUCO 9601 Silicone Mastic should be stored in unopened containers and protected from exposure to direct sunlight and high heat. Do not open containers until ready for use and store containers below 109°F (43°C) to maintain full shelf life. TRUCO 9601 Silicone Mastic generally can be stored in unheated warehouses during the cooler months without the risk of freezing.

TRUCO 9601 Silicone Mastic reacts with atmospheric moisture to cure. Once containers are open and exposed to the atmosphere, a skin will form on the material over time. The formation of skin will be negligible in winter months but can form quickly (minutes) under hot and humid summer conditions. Cured skin that has formed on the top of the material should be removed or screened. Take appropriate precautions to cover open containers during use.

TRUCO 9601 Silicone Mastic should be applied as received and dilution with solvent is not recommended. If settling in the package has occurred, stir or shake the material prior to use.

LIMITATIONS:

TRUCO 9601 Silicone Mastic is not intended nor recommended:

- For use on pedestrian, deck or frequent traffic bearing surfaces.
- Cold storage roofing application without vapor barrier, cryogenic tank applications or continuous water immersion service.
- TRUCO 9601 Silicone Mastic should not be applied to:
- Unprepared surfaces including but not limited to those that are wet, dusty, oily, mildewed, heavily chalked, blistered or otherwise structurally unsound.
- Building materials that might bleed oil or solvents. These include, but are not limited to, certain vulcanized rubber products, tapes, failed sealants, some caulking compounds and asphaltic/mastic materials unless appropriate preparation or primers are used. Consult technical services for primer recommendations.
- Surfaces where adhesion has not been verified by testing.

PRECAUTIONS:

- Inclement weather may negatively affect uncured TRUCO 9601 Silicone Mastic by displacement of uncured material; therefore, application of sealant should not proceed if heavy rain, hail or snowfall is impending or expected within 24 hours of application.
- TRUCO 9601 Silicone Mastic requires atmospheric moisture for propagation of cure thus it is not suitable for use in totally confined space.