



TROPICAL SILICONE



As the newest addition to the White Lava Products line, this solvent-free silicone system is a moisture-curing (96% volume solids) silicone rubber, made to endure the harshest weather conditions Hawaii has to offer. Originally designed for sprayed in place polyurethane foam, Tropical Silicone has been adapted for use over metal roofing, built up cap sheet, SBS, single ply roof remediation, and to re-coat existing silicone membranes. It's used over existing roof substrates as a water-proofing and heat reflective membrane that provides long-term protection from weathering, aging, oxidation, wind-driven rain, snow, ozone effects, ultraviolet radiation, ponding water, mildew, algae growth, and extreme temperatures typically found on roofs.

Tropical Silicone is suggested for application under Photo Voltaic or Solar Panel installations, where a care-free, moisture-impervious roof membrane is required. 20 year warranties available (certified applicators only).

COMPOSITION & MATERIALS

Tropical Silicone Roof Coating is a dispersion of silicone rubber. This coating is a one-part, ready-to-use material that can be applied easily to a dry, frost-free surface, and cures at normal temperatures in 2 to 6 hours by reacting with moisture in the air.

STORAGE & SHELF LIFE

Tropical Silicone Roof Coating has a shelf life of 12 months from date of manufacture. Refer to product packaging.

SIZES

Tropical Silicone Roof Coating is available in 5 gallon containers and 55 gallon drums.

PRODUCT SPECS

- Single-Package, Moisture-Cured
- Premium-Grade Formula
- Highly Heat Reflective
- Mildew-Resistant
- Applied by Roller or Spray
- Low VOC Content
- No Wash Offs
- Ponding Water Resistant
- Fast Drying and Curing
- Chemical Resistant

PRODUCT PROPERTIES

- **Durometer Hardness:** 42 points, Shore A (ASTM D-2240)
- **Tensile Strength:** 300 psi, die C (ASTM D-412)
- **Elongation:** 200% (ASTM D-412)
- **Solids Content:**
 - By weight: 95% (ASTM D-1644)
 - By volume: 95% (+/-2%) (ASTM D-2697-3)
- **Temperature Stability Range:** °C (°F): -37° to 100° (-35° to 212°)
- **Volatile Organic Compounds:** 10.2 grams/liter (ASTM D-2369)
- **Solar Reflectance:** 87.10% (ASTM C-1549/E-903)
 - ¹20 mils at 38°C (100°F) and 90 percent relative humidity
- **Permeability¹:** 2.0 perms (ASTM E-96)
- **Specific Gravity:** 1.2 at 25°C (77°F)

- **Tack-Free Time:** 1-2 hrs
- **Cure Time:** 2-6 hrs
- **Flame Spread:** Class A (ASTM E-108)
- **Colors:** White, Gray, Tan
- **Weatherometer, QUV, 10,000 hours:**
 - ASTM B-4799: No degradation
- Custom colors available



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