

# SIL-QUATHANE 222

## Silicone/Polyurethane Architectural Coating

### DESCRIPTION:

**SIL-QUATHANE 222** is a water-borne, high-performance silicone/aliphatic polyurethane hybrid elastomeric coating. It combines the extreme water resistance and reduction in water absorption rate of high-performance silicone elastomer with the abrasion, chemical, and weather resistances of aliphatic polyurethane.

**SIL-QUATHANE 222** is highly vapor permeable, low in VOC, flexible, and UV Stable. It retains high tensile and bond strengths, even under 100% saturation with water. It requires no primer in most applications.

### APPLICATIONS:

- Terra Cotta and Brick Glaze Replication
- Stone, Concrete, Stucco, Brick, and Terra Cotta Clear Sealer
- Many Previously Coated Surfaces

### COLORS & FINISHES:

**SIL-QUATHANE 222** is available in an unlimited range of custom colors in opaque and semi-transparent formulations. It can be matched to any fan deck color, previous coatings, or masonry samples. A translucent clear formulation is also available. **Gloss, Satin, or Flat finishes are offered.**

### INSTALLATION:

**1. Preparation:** **SIL-QUATHANE 222** is supplied ready to use. Pigmented formulas should be thoroughly stirred before each use.

Surfaces should be dust free and clean. Remove all

PROPERTIES	
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<b>Bond Strength - Dry ASTM D4541</b>	450 psi
<b>Bond Strength – Wet, 7-day Immersion, ASTM D4541</b>	300 psi
<b>Water Resistance, 7-day Immersion</b>	No Effect
<b>VOC</b>	46 g/L
<b>Elongation, %</b>	Approx. 300%
<b>Moisture Vapor Permeance, ASTM E96 Method B (2-Coat Application)</b>	11.6 perms

grease, oil and other contaminants and roughen previous coatings to the extent required to get good wetting of the substrate. Prior to large-scale application, particularly over questionable surfaces or previous coatings, apply an inconspicuous test area to confirm adhesion and compatibility. If adhesion is inadequate, consult Edison Coatings, Inc. regarding use of an adhesion-promoting primer.

**2. Application:** Apply **SIL-QUATHANE 222** at 200 - 400 sq. ft./gallon by brush, pad, roller or low-pressure airless spray. Apply evenly and moderately, avoiding rundown or ponding. Avoid excessive agitation or pressure and avoid whipping air into the product as this may generate foam. A second coat may be applied at any time following through-drying of the first coat. Do not apply at temperatures below 40°F or when temperatures may fall below 40°F before through-drying.

**NOTE:** Temperature, humidity, and air movement all impact drying and curing times. When working at marginal conditions, allow sufficient extra dry and cure times to compensate.

**3. Curing:** *SIL-QUATHANE 222* requires curing time before developing full strength, water resistance, and chemical resistance (typically 7 days at 70°F and 50%RH). Cure may be accelerated by heating to 180°F for 20 minutes, following drying. Newly installed coating should be protected from rain until set through. Do not subject uncured films to heavy moisture or standing water.

**4. Storage and Handling:** KEEP FROM FREEZING. Keep container closed when not in use. Use with adequate ventilation. Avoid splashing into eyes or prolonged skin contact. Wash thoroughly after use. Clean tools and applicators immediately after use with warm water. Avoid depositing on shrubbery, windows, cars and other surfaces or property. In case of eye contact, flush with clean water for at least 15 minutes and consult physician. In case of ingestion, give water, do not induce vomiting. Keep out of reach of children. Observe all safety and handling guidelines as detailed in the Safety Data Sheets supplied with this product.

**FOR COMMERCIAL AND INDUSTRIAL USE.**



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