

SIL-QUATHANE 222

Silicone/Polyurethane Architectural Coating

DESCRIPTION:

Sil-Quathane 222 is a high performance waterborne silicone and polyurethane blend that combines the extreme water resistance and reduction in water absorption rate of high performance silicone elastomer with the scratch resistance, chemical resistance, and weather resistance of polyurethane.

Sil-Quathane 222 is vapor permeable, low VOC, flexible, and UV Stable. It retains its tensile and bond strength, even under 100% saturation with water. It requires no primer on 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 clear or can be matched to any fan deck color, previous coatings, or masonry samples.

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 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

PROPERTIES	
PROPERTY	DESCRIPTION
Bond Strength - Dry, ASTM D4541	450 psi
Bond Strength - Wet, 7 day Immersion, ASTM D4541	300 psi
Resistance to Wind Driven Rain, ASTM D6904	Visible Water = None
	Weight Gain = 0.11 lb (<0.2)
Moisture Vapor Transmission, ASTM D1653 Wet Cup	2.9 grains/h-ft ²
	7 perms
Density, ASTM D2697	9.6 lb/gal
Volume Solids, ASTM D2697	33.8%
Crack Bridging, EN 1062-7 Method A	73°F = 40 mils
	32°F = 30 mils
	-15°F = 21 mils
Elongation, ASTM D412	27.9%
Tensile Strength, ASTM D412	1413 psi
Water Resistance, 7 day Immersion	No Effect
VOC	46 g/L

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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