



SOLAR KOTE

PRODUCT DESCRIPTION

COMPLETE COATINGS Solar Kote is a High Quality Acrylic Elastomeric Ceramic Wall Coating manufactured for the exterior weathering of the Southwestern Environment. **COMPLETE COATINGS** Solar Kote is made for solar reflection, adhesion and exterior hold-up on new or refinished stucco. This system is specially formulated to adhere to porous substrates with mild alkalinity. Best results are obtained if primed with **COMPLETE COATINGS** Premium Primer and Sealer. **COMPLETE COATINGS** Solar Kote can be tinted to a variety of stock colors as well as just about any custom color.

- Excellent U.V. Resistance
- Easily Applied
- Excellent Color Recoatability
- Low Dirt Pick Up
- Stain Resistant
- Excellent Durability
- Excellent Weatherability
- Great Resistance to Early Chalking

PHYSICAL PROPERTIES:

Colors	White & Off-Whites
Vehicle	Elastomeric Acrylic Resins
Thinner / Reducer	Water
Weight Solids	68 +/- 2%
Volume Solids	54 +/- 2%
Volatile Organic Solvent	90 grams/liter
Weight / Gallon	9.2 lbs/gal. +/- .2lbs
Standard Coverage	70 ft ² / gallon @ 12 mils
Elongation *	200%
Tensile Strength *	112 psi
Gloss @ 60 deg	10 max.
Viscosity (Kreb Units)	110 K.U.
Dry Time ** (77 F & 50% Rel. Humidity.)	To Touch: 4 Hours To Recoat: Overnight

** Standard Average taken over a series of tests and related physical properties

** High humidity and low temperatures extend drying time

SHELF LIFE:

This product will retain its usefulness if used before twenty-four months from the manufactured date, when stored at an ambient room temperature of 75 degrees Fahrenheit at 0 - 90% humidity. Allow minimal air contact with left over product, i.e. store left over one gallon in one gallon container.

DO NOT ALLOW TO FREEZE.

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SURFACE PREPARATION:

Surfaces should be free of defects and contamination. All contaminants such as dirt, oils, wax and medium to heavy chalk must be removed to ensure proper adhesion to the substrate. Solutions made with TSP and Clorox Bleach at weight measurements of 1:1 and added to 12 parts water will clean stucco and similar surfaces adequately. Cleaners must be thoroughly rinsed clean from the substrate. Chipping or peeling paint must be removed prior to application of paint. Power wash or power brush severe substrates.

Mildew must be killed and removed by using a commercial mildew remover or a solution of 1 cup of household bleach with 3 cups of tap water. Rinse substrate thoroughly and allow to dry.

High alkaline substrates can be neutralized by using dilute mixtures of 10% phosphoric acid and water and rinsed well. It is recommended that the pH is checked throughout the building structure to ensure adequate application conditions. All new stucco substrates must be aged 28 days before application of primer. Applying sealants to all cracks and gaps is very important and will drastically affect how long the paint lasts. Water must be stopped from penetrating beneath the paint. The best and most appropriate sealant is an elastomeric caulk. With excellent adhesion and elongation characteristics this sealant will last a long time. **Apply all caulk after the stucco is properly primed for the best performance.** Seal around all openings and penetrations. This includes windows, doors and wood trim. Other areas are dryer vents, any plumbing penetrations and at the wall to the soffit. Careful and extensive surface preparation is the key to a successful and long lasting job. Please get the most out of the products you buy.

APPLICATION:

DO NOT APPLY WHEN AMBIENT OR SURFACE TEMPERATURES ARE BELOW 50°F. Do not apply coating when weather conditions are dangerous to the coatings natural dry cycle. Do not apply to horizontal surfaces where standing water may accumulate. Brush, roll, or spray product. For optimum results spray coating with an industrial airless sprayer and back roll with a 1 1/4" roller, this will ensure penetration and film uniformity. Make sure that the substrate is neutralized before application of coatings. Thin no more than 1 pint per gallon with ordinary tap water. To avoid color variations, be sure to add the same amount of water to each pail. When applying this product it is recommended that the film thickness is periodically checked to be sure of an accurate 12 mils per coat. To check coating thickness by application procedures; apply product to a 4' x 8' piece of plywood and check the film thickness per even coat applied. This will give the applicator an accurate indication of a uniform film. Do not apply coating if weather conditions might yield rain, snow, or other extreme weather conditions. Ambient temperatures should be between 50°F and 90°F; substrate should be between 50°F and 95°F. High Humidity and low temperatures can extend the drying time. Do not apply in overly hot times of the day and try to avoid applying in direct sunlight.

CLEAN-UP:

Clean brushes, roller covers and spray rig with ordinary tap water. Clean up overspray with a mild soap and water solution. On concrete use a soap and water solution and a wire brush to remove most of the paint from the substrate. Dispose of all waste in accordance with local state and federal organizations.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally. Wash hands or any part of your body which comes into contact with this product. Avoid breathing vapor, mist or fumes from fires.

Do not use in tank or pit without proper protection. Use product in accordance with this product data sheet, any variance voids all warranties and liabilities.

Read Material Safety Data Sheet before use of this product.

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Spraying Recommendations for Solar Kote and Elastomeric Paint

Airless Sprayer (Max. capabilities):

GPM, (LPM) 1.2, (4.5)

PSI, (bar) 3300, (227)

Spray Gun Filter: 30 Mesh (.60 - .70 mm)

Spray Fan @ 12 inches (30.5 cm): 10 inches (25.4cm)

Spray Orifice: .025-.031 inches (.64-.79 mm)

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