

MOISTUREGUARD APPLICATION GUIDELINES

MOISTUREGUARD may be applied by either medium nap roller, conventional or airless spray equipment. Brush or roller may be used for touch-up and edging work for small areas which are not practical for spray application. **MOISTUREGUARD** may be applied utilizing many different brands, types and sizes of airless or conventional spray equipment, however, airless spray equipment is recommended.

The following minimums are also recommended:

PUMP: one gallon per minute or greater output and 2000psi fluid pressure capability.

GUN: Any airless handgun compatible with the pump used.

SCREEN SIZE: Filter screens should be thirty mesh or larger.

TIP SIZE: A reversible self-cleaning tip with an orifice size of 0.027" to 0.039" with a fan angle of forty to fifty degrees.

FLUID HOSE: 3/8 inch minimum inside diameter, nylon high pressure type hose for lengths up to seventy-five feet from the pump. Ranges from seventy-five to two-hundred feet, use 1/2 inch inside diameter hose added to existing 3/8 inch hose to maintain pressure delivery. Over two-hundred feet, use 5/8 to 3/4 inch inside diameter hose.

Substrates and adjacent surfaces to be coated shall be free of any degraded foam (in the case of foam panels), grease, oil, dirt or other contaminants which will interfere with proper adhesion. Substrates should be completely dry and frost-free before coating.

Spray with multi-directional spray passes to assure positive coverage. **MOISTUREGUARD can** be applied in two or more separate coats to insure proper fluid build, cure rate and a pinhole free continuous film. Each coat should be applied in a direction perpendicular to the previous coat. Each coat of **MOISTUREGUARD** must be dry and cured before an additional coat is applied. All surfaces must be uniformly coated and be free from voids, pinholes or blisters.

PHYSICAL PROPERTIES (typical, not to be considered as specifications):

pH: 9.4

Stromer viscosity: 100-110K. U.

Density (weight per gallon): 13.03 pounds

% solids by weight: 72.0

% solids by volume: 56.5

Approximate elongation: 275%

Permeability @ 25 mils dry: 0.04-0.06 perms

Resistance to ponding water: (grams/24 hrs) + 0.0198

Heat age stability (oven stability): 7 days @ 120* F passes

Freeze/thaw stability @ 120* F: passes 5 cycles

APPROXIMATE COVERAGE:

MOISTUREGUARD is a single component ready-to-use material available in five gallon (19 liters) and 55 gallon drums (209 liters).

The theoretical mil thickness given for coverage per gallon is based on smooth, nonporous surfaces. Actual gallons required in the field to achieve the minimum dry film thickness will depend upon the surface texture, method of application and weather conditions at the time of application. It is the responsibility of the applicator to apply sufficient material to achieve the MINIMUM dry film thickness of 15 mils. It is recommended that 25-40 mils dry be applied to insure optimum performance properties. **MOISTUREGUARD** applied to the theoretical coverage rate of one gallon per 100sqft (0.41/m²) will yield 9.6 dry mils.

PRECAUTIONS:

MOISTUREGUARD should not be used for interior applications in place of a thermal barrier. Do not apply **MOISTUREGUARD** at temperatures below 40* F, or when rain is imminent, or when there is a possibility of temperatures falling below 32* F (0* C) within a 24 hour period after the application.

MOISTUREGUARD requires complete evaporation of water to cure. Cool temperatures and high humidity retard curing. Do not apply if weather conditions will not permit complete curing before rain, dew or freezing temperatures. Do not apply in the late afternoon if high moisture condensation will occur during the night.

MOISTUREGUARD may appear well mixed, but upon standing will settle in the container(s) into a two stage suspension; thoroughly mix the contents of all containers using a power mixer prior to application.

****Thinning** is not recommended. **Do not** allow product to freeze.

MOISTUREGUARD waterproofing protection for the most demanding applications.