CERAMIC INSULSEAL

Product Description

Ceramic InsulSeal is a polymer-modified acrylic penetrating soaker-sealer and bonding agent that can be brushed-on, rolled-on, or sprayed-on. Used undiluted directly from the container, it penetrates deep into porous substrates. As it fills and hardens it provides a myriad of micro-anchoring points in the substrate. It is not a finishing product and must be coated. Promotes exceptional adhesion when used in conjunction with the Ceramic InsulCoat R:E Coating System.

Intended Uses

Ceramic InsulSeal is used as a priming, penetrating sealant intended for Commercial, Industrial, Institutional and Residential exterior applications. It may be applied over pre cast or poured concrete, tilt-ups, cinder/concrete block,stucco, brick and wood. Forms an integral part of the Envirocoat Ceramic InsulCoat R:E Coating System.

Product Data

Characteristics	Test Method	Observation
Weight per US G (3.78L)	FTMS 141 – Method 4184	10 Lbs. (4.52Kg)
Non-Volatile Solids	FTMS 141 – Method 4041	By volume: 25%
Toxicity	FTMS 141 – Method 5111	Material is non-toxic & requires no special ventilation during application. Contains no materials considered to be health hazards.
Flammability		Keep away from open heat or flame.
Package Stability		Greater than 180 days at 72° F (22° C)
Fungus Resistance	FTMS 141 – Method 6271	No fungus growth when material tested in an environment of three organisms.

Application Characteristics		
Material	White, translucent in liquid form - Dries to a clear finish.	
Approximate Coverage	350 to 450 sq. ft/gallon	
Dry Base Film Thickness	One coat	1 to 1.3 dry mils – 0.025 to 0.033 mm dry film
Substrate Preparation	Dry, clean, free of loose particles.	
Application Temperature Range	39° F – 4° C substrate to 80° F – 29° C ambient air in direct sunlight	
Application Method	1.5" nap roller – brush – airless sprayer (0.09 ~ 0.11")	
Initial Cure (tack-free)	Air dry, 15 to 30 minutes with moderate to low ambient humidity	
Primary Cure	Air dry, 48 hours at 50° F – 15.5° C or greater surface temperature with moderate to low ambient humidity	
Solvent (before curing)	Water	
Cohesion Strength	Outstanding bond to dry or slightly damp surfaces. Strong cohesion to any clean, dry concrete, masonry, brick and wood surfaces. Hydrostatic pressure will disrupt this bond.	