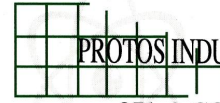


PROTO-CRETE S

Self Leveling Polyurethane Concrete Slurry



PROTO INDUSTRIAL COATINGS INC.

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Product Description:

Proto-Crete is a self leveling polyurethane concrete mortar slurry that is installed approximately 1/8" to 1/4" thick. Proto-Crete urethane mortars combine cement with water based urethane technology to produce a mortar product exhibiting properties of both. Proto-Crete is specially formulated for repairing spalled and corroded concrete.

Proto-Crete cementitious urethane systems are non-hazardous, and highly chemical resistant. The cementitious urethane composition has a similar modulus of elasticity to that of concrete. This all but eliminates differential flexing that is prevalent with most other resins.

Typical Uses:

Proto-Crete is formulated as a do it yourself application for both commercial and industrial uses. Proto-Crete is designed for conditions requiring rapid installation and protection of the concrete from thermal shock, impact, corrosion, chemical attack and abrasion. Proto-Crete is textured with a broadcasted sand to achieve non-skid properties.

Product Advantages:

- Quick Curing Formula
- Thermal Shock Resistant
- No VOC
- High Chemical Resistance
- Slip Resistance
- Excellent Adhesion To Concrete
- Non-Corrosive, No-Toxic
- Moisture Vapor Tolerant (Therefore eliminating the need for the typical 28-day wait time for the concrete to cure.)

Packaging: Proto-Crete is packed in kit form, Liquids (A&B) and dry (C&D).

Storage: All containers should be stored at 45 F to 85 F and be kept tightly sealed and out of direct sunlight. Un-opened containers have a one year shelf life from date of manufacture.

Physical Properties

Property	Test Method	Results
Tensile Strength	ASTM C307	2500 PSI
Flexural Strength	ASTM D790	5,100 PSI
Hardness	ASTM 2240	80 Shore D
Bond Strength	ASTM D4541	>400 PSI
Impact Resistance	MIL-D-3134	Pass
Water Absorption	ASTM C413	<0.1%
VOC	ASTM D3960	0
Service Temperature		-50F to 400F
Compressive Strength	ASTM C579	9000 PSI
Water Absorbtion	ASTM C413	< .1%
Working Time	@ 77 F	18 Minutes
Foot Traffic		4-5 Hours
Full Service		7-8 Hours

Coverage will depend on the surface condition of the concrete. Approximate coverage will be 8 sq ft per pound of liquid at 1/8"

Limitations: Proto-Crete is not to be applied in temperature below 40 F, above 85 F, or when relative humidity is >85%. If contaminants of oil, silicones, mold release agents, or other coatings are present, UC-100S may not adhere to the surface. Surface contaminants should be removed with mechanical and/or chemical means before application.

Cooler temperatures require longer cure time.

Installation Instruction:

1. Concrete must be cleaned to remove dirt and oils.
2. Slick concrete will need acid etching with Muriatic Acid and pressure washed.
3. Mix part A & B for 30 Seconds.
4. Add part C and mix 30 more seconds.
5. Install Proto-Crete with trowel to desired thickness and cast dry with part D.