

StampStone *Multi-Purpose Polymer Modified Cement Coating*

Surface Preparation

Prepare concrete by grinding, sanding, water blasting or shot blasting to achieve a clean 5 mil profile. Concrete can also be chemically etched with acid and neutralized with ammonia to achieve a 5mil profile. Clean surface with TSP and flush with clean water. When using chemical etching methods, proper neutralizing and cleaning is essential to material bond. When applying over primed epoxy surfaces, StampStone should be applied within 24 hours of primer application.

Cure Time

Cure times depend upon the specific application, air and substrate temperature, and moisture levels in the substrate and air. Generally 24 hours for foot traffic, 72 hours for light furniture and 7 days for vehicle traffic will provide adequate protection for most applications.

Personal Protection

This product contains cement and silica. Always wear appropriate protective clothes, gloves, goggles, and respirator when applying. Review the MSDS for this product prior to use.

Using Pattern and Border Tapes

When using fiber tapes for patterns or perimeter tape for protecting walls and surrounding surfaces, tape should be pulled as soon as possible due to the hardness of this material.

Clean Up

Clean tools and equipment with soap and water before material sets. If material is allowed to harden remove excess material and clean with solvents such as Xylene or MEK). Do not allow this product to stain surrounding surfaces because permanent staining may occur. Remove any dust from this product as soon as possible as the dust may adhere to surrounding surfaces.

Pot Life

StampStone pot life can be modified by the addition of more or less water. If during application material begins to set prematurely, adding additional water will delay set time in a controlled manner.

Limitations

- ◆ Product must be applied at an ambient temperature of 50° degrees and rising.
- ◆ Allow concrete to full cure for 28 days prior to applying product.
- ◆ Substrate (moisture vapor emissions) testing prior to application is recommended.
- ◆ Application over epoxy primers must be within specified recoat window for primer.

Physical Strength Properties

Architectural Specifications

TESTS	METHOD	RESULTS
Impact Strength	ASTM D2794	576.0 inch lbs.
½ inch ball dart (14.4 lb) dropped from 40".		
Abrasion Resistance	ASTM D1242	.0163 mg total loss
CS10 Wheels for 500 Cycles with 500 gram load.		
Tensile Strength	ASTM D4541	927.4 PSI
PATI JR Adhesion Tester with F1 Piston Assembly.		
Compression Strength	ASTM D695	5119.31 PSI
1.25" diameter by 1" cylinders were compressed at a rate of .05 in/min.		
Freeze/Thaw Resistance	ASTM C666	No Visible Affect
Specimens were frozen in air and thawed in water per ASTM C666 B.		
Shear Bond Strength	ASTM C882	1820.66 PSI
Lap Shear Strength	ASTM D5868	166.38 PSI
Material was applied between grit blasted 1/8 th aluminum 1" wide with a 1" lap		
Accelerated Weathering 3 yr	ASTM G-154	Minimal Affect
Material samples were accelerated using fluorescent UVA bulb method.		
Slip Resistance	ASTM D1984-93 ASTM F2048-00	Dry Surface 0.95 Wet Surface 0.88
Mildew Resistance	ASTM G-21	Class A
Fire Resistance	ASTM E108	Class A
Flame Spread	ASTM E-84	Exceeds Standard
Material samples were cured for 21 days prior to lab testing. Material to water ratio for testing was 4.5 to 1 by volume.		