

**TD.577 – TECHNICAL DATA: PRE-CEPTER™ 25 Moisture Mitigating Osmotic Resistant Pre-Primer**

Revised: 7.15.18

**Product Name: PRE-CEPTER™ 25 Moisture Mitigating Osmotic Resistant Pre-Primer**

**Product Class:** A proprietary single component vapor barrier emulsion for concrete surfaces that are to be coated with an epoxy or urethane coating.

**Description:** PRE-CEPTER™ 25 Moisture Mitigating Osmotic Resistant Pre-Primer is highly engineered *Nano Silica Emulsion* blend developed as a pre-primer for E100-VB5™ Vapor Barrier Epoxy or other approved resinous coatings.

**Key Features:**

- Exceptional penetration into properly prepared concrete surfaces compared to typical epoxy vapor barriers.
- Passes the E-96 ASTM test for moisture mitigation and greatly reducing osmotic pressure.
- Can be applied on properly prepared and RH tested using recommended testing equipment and procedures at levels at 99% RH and 14 pH.
- Single component.
- Zero VOC or damage to the environment.
- Greatly increases strength on new or existing plain concrete that will not be coated.
- Exceptional at reducing MVER in concrete.
- Extremely fast cure schedule: Tack free than 30 to 45 minutes and top coat in 1 to 2 hours. All depending on coverage, temperature, humidity and other factors.

**Physical Properties:**

@ 21° C or 70° F, 2 hour ambient cure

Property	Test Standard	Result
Mix Ratio:		Ready to use single component
Solids content;		25%
VOC		0%
Working time		Unlimited @ 21° C or 70° F
Tack Free		15 - 30 minutes
Foot traffic or top coat		1 - 2 hours
Color		Slightly translucent green (wet & cured dry)
Consistency		Flowable
Water Vapor Transmission	ASTM E-96	0.075 perms
Bond Strength to mastic (pull off)	ASTM D 4541	> 70 psi
Adhesion strength of coatings (pull off)	ASTM D 7234	> 200 psi
Surface pH After application	ASTM C 1315-11	7.5 - 8 pH
Pull off adhesion strength in 97.5% RH	ASTM D 7234	100% cohesive concrete
Alkalinity resistance	ASTM D 1308	Unaffected by 14 pH
Moisture Vapor Emission Rate	ASTM F 1869	PASS

**Notes:**

- 250-300 sq. ft. per gallon depending on surface preparation method and porosity of the concrete.
- Application method: Do not pour product on floor and roll into it. Always saturate a 3/8" roller and spread thin at 250 to 300 sq. ft per gallon out of a paint tray.
- Cure time to top coat: @ 21° C or 70° F – 1 to 2 hours.
- Clean up: Warm water and dish soap.
- Packaging:
  - 3 gallon pails
  - 5 gallon pails
  - 55 gallon drums (upon special request)