

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

Revised: 1/8/20

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**

| <u>Property</u> | <u>Test Standard</u> | <u>Result</u> |
|--|----------------------|--|
| 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)