

## ***Protec III LSF Chem RX - Used as a Curing Aid***

### **The Original Chemical Cure**

#### **DESCRIPTION**

Protec III LSF Chem RX controls hairline checking and temperature cracking on new concrete slabs. Protec III LSF Chem RX should be applied to concrete that is properly placed and structurally sound. Protec III LSF Chem RX works as a curing aid through a combined chemical and moisture retention reaction aiding the complete hydration process.

This curing process does not leave a surface membrane across the concrete surface but allows the concrete to still breathe, eliminating concrete popping in areas that have poor aggregate and where membrane forming products accelerate concrete popping. When Protec III LSF Chem RX is applied, 92% greater moisture retention is achieved during the critical 24 hour cure period compared to untreated concrete. In the western Canadian provinces using membrane forming curing products such as acrylics or hydrocarbon resin cures are now causing more problems than fixing. Because of their membrane, concrete is not allowed to breathe. The result is a lot of concrete popping and shaling. Protec III Chem RX still allows the concrete to breath.

Protec III LSF Chem RX does not leave a surface membrane like an acrylic or chlorinated rubber products. This makes Protec III LSF Chem RX the choice because it is compatible with all flooring adhesives and does not require stripping of cure and seals that leave membranes.

#### **APPLICATION**

- As a cure, apply the product with a low pressure sprayer or roller at a rate of approximately 400 ft<sup>2</sup>/gallon (9.8 m<sup>2</sup>/litre) on power trowel concrete. On broom finish concrete expect 300 ft<sup>2</sup>/gallon (7.4 m<sup>2</sup>/litre).
- Be careful not to leave puddles. If puddles do form, they should be broomed or rolled out. In cooler temperatures greater care has to be taken in regard to puddling.
- All saw cuts need to be coated thoroughly.
- If the product is not applied properly there is the possibility of staining on colored concrete where the product puddles.
- Special care should be taken on colored concrete floors, do not apply for 3 days after colored concrete has been poured.

#### **CAUTIONS**

- Note: In winter applications, concrete is colder and moisture dew points are higher so dry times will take longer.
- Take special care when applying product in cold temperature applications. Dry times is slowed and puddling can form, therefore all puddles need to be brushed out.
- Special care is required for colored concrete, do not apply for 3 days.

**CAUTIONS** (continued)

- Protect surrounding area from over-spray. In case of accidental contact, rinse thoroughly with water immediately.
- Do not apply to frozen surfaces.
- For surfaces not specified or where concrete may have been previously sealed, and for colored concrete, we recommend testing a small area to observe for possible adverse reactions before applying the product.
- Freeze Harm – 5 Cycles No Damage
- Special care should be taken to use de-icing materials that are compatible with concrete.

**WARRANTY**

We warrant our products to be of good quality and will replace any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. The user shall determine the suitability of the product for the intended use and assume all risks and liability in connection therewith. Therefore, except for such replacement of product, Cornerstone Coatings makes no warranty or guarantee express or implied including warranties of fitness for a particular purpose or merchantability, respecting its products, and Cornerstone Coatings shall have no other liability with respect thereto. This warranty supersedes all other warranties express or implied.