

## KALMATRON® KF-B APPLICATION INSTRUCTION

U.S.A. Patent 5,728,428

**KALMATRON® KF-B** as a protective and remedial coating designed for protection of concrete and masonry building structures as an ionic implant onto the structures in damp conditions to restore liquid/vapor impermeability, corrosion and freeze-thaw resistance, to stop rebar rusting and to rebuild structures by gluing of they broken parts.

KF-B is best for water supply and sewer systems; marine fortification structures; facilities of the chemical and agricultural industries.

### ■ SURFACE PREPARATION

Wash the surface contaminated by easy removable debris with water at a rate of 9 OZ/SF or 3 Liters/m<sup>2</sup>. Remove large areas of paint by scraping or sand blasting. Small spots of any contaminations coated by KF-B will have no affection to its stable adhesion.

### ■ PREPARATION of KALMATRON® KF-B and APPLICATION

1. Take a batch of **KF-B** enough for 45 minutes of application.
2. Add 1 part of water per 3 parts of **KF - B** powder by they volumes and mix for ½ minute by trowel or electric drill.
3. Hardening will begin. **Don't add more water.** Continue mixing until application is completed. Never add more water.
4. Revive batch plasticity by mixing only.
5. Apply KF-B layer with thickness at 3/25" to 1/4" or at 3 mm to 5 mm. Apply pressure on the trowel.
6. After 4 hours of application spray water on repaired surface at 3 OZ/SF or 1 Liter/m<sup>2</sup>.
7. KF-B applicable when minimal temperature on the concrete surface not lower than 23°F (-5°C).

Consumption of KALMATRON® KF-B

Thickness mm	Consumption of KF-B, Kg/m <sup>2</sup>
3.00	4.8
4.00	6.4
5.00	8.0

### ■ ESSENTIALS

1. Concrete structure stays liquid impermeable if KF-B layer damaged or even removed.
2. Surfaces affected by organic colonies such as algae, curable by thin KF-B layer applied by the brush.
3. Conservation of metallic anchors, rebar, frames, etc. from rusting provided by KF-B powder mixed with water in a ratio at 2 : 1 by volumes. Applicable by the brush, roll, or spray by the mortar gun.

- **SAFETY** – see MSDS of KALMATRON® KF-B.

