

## KALMATRON® KF-E ~ HARDENER ~ APPLICATION INSTRUCTIONS

■ **KF-E-hard** is a coating applied onto fresh concrete, masonry and stucco surfaces. **KF-E-hard** adds color for visual appeal and increases compressive strength, impermeability to liquids and corrosion resistance.

### ■ SURFACE PREPARATION

Surfaces to be painted must be clean. Remove any contamination by pressure washing. Apply on dry or wet surface.

### ■ KF-E-hard PREPARATION

Mix the **KF-E-hard** powder thoroughly before use in a drum mixer (above 30 RPM) or in a high speed blender. This will re-homogenize the mix, as the contents can settle or segregate during transportation and handling.

If pigment\* is used, add iron oxide based pigment at this stage and mix for 20 minutes. Begin with the lowest dose of pigment, at about 1/3 or less from the standard dose recommended by the pigment manufacturer.

To check for mix consistency: take 50 grams of powder from the center of the batch and mix it with 15 grams of water thoroughly. Apply with a brush onto plywood. If pale strips appear, mix again.

### ■ APPLICATION

Take **4** parts of **KF-E-hard** and mix with **1.5** parts of water by volume. Mix thoroughly until the mix consistency is like that of oil paint.

Stir product thoroughly before and during use. Apply with a quality synthetic brush or roller by the technology of oil paint.

### ■ COVERAGE

Varies based on pigment type and surface porosity and texture. Regular coverage is 3 kg/m<sup>2</sup> to 5 kg/m<sup>2</sup>

### ■ DRYING

Dries to touch in three to five hours.

### ■ SAFETY

Operation with **KF-E-hard** is similar to finishing jobs. Always use an approved respirator and rubber gloves. In case **KF-E-hard** is inhaled or gets in contact with the eyes, rinse and wash abundantly with water **KF-E-hard** is non-toxic, not flammable, and non-explosive.

\*For best results, apply **iron oxide based pigments** at the standard dose by weight of the cement, as recommended by the pigment manufacturer. Iron oxide based pigments work optimally with **KF-E-hard** and will remain bright and vibrant.