

KALMATRON® KF-E ~ ADMIXTURE ~ APPLICATION INSTRUCTIONS

■ **KF-E-*admix*** is an admixture to concrete, mortar and stucco mixes. **KF-E-*admix*** increases compressive strength, impermeability to liquids and corrosion resistance, with 2-3 times lower shrinkage. There are no cracks, flaking or sliding. Stable, permanent color will not fade.

■ **KF-E-*admix* PREPARATION**

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

■ **APPLICATION**

1. Prepare at least **0.5 m³** (½ cubic yard) of any dry concrete or mortar mix. Use Portland Cement Type I or II, and blend all the dry ingredients of the mix first for 10 minutes.
2. The surface of the wall, floor, or pavement should be wetted before **KF-E-*admix*** application. Spray surface with water at 1 Liter per m².
3. Strew 3 Kg - 12 Kg **KF-E-*admix*** for every 100 kg of Ordinary Portland Cement type I or type II in the concrete/mortar mix. Mix it all dry for 20 minutes. Clean the mixer's walls from any residual pigment.*
4. Turn on the mixer and add water. Start with a water-cement ratio of 0.38. The less water, the better the results.
5. Mix for 5 minutes. If the mix is still stiff, add **0.25 Liters** (¹/₁₆ GL) of water while continuing mixing, until the mix is workable and creamy. The "creamy effect" is a sign that mixing is complete and the product is ready for application. Application on walls should be done with standard stucco technology.

■ **CURING**

6. Spray the surface with water 10-12 hours after application, until the surface is slightly wet (without any remaining water spots).
7. Please watch for any possible water spots and wipe them off with a mop immediately.

■ **SAFETY**

Operation with KF-E is similar to cement mixing and finishing jobs. Always use an approved respirator and rubber gloves. In case KF-E is inhaled or gets in contact with the eyes, rinse and wash abundantly with water. KF-E is non-toxic, non-flammable and non-explosive for transportation and handling.

*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 and will stay bright and vibrant.