

KALMATRON® KF-Jet APPLICATION INSTRUCTIONS

KALMATRON® KF-Jet designed as an admixture to the dry cement powder and additive to the concrete/ mortar mixes for production of Fast, Quick, or Rapid Setting Cements known as FSC, QSC, and RSC with controlled setting time. Distinctive difference from known products is that the mortars and concrete after application has twice lower drying shrinkage, no cracks, higher compressive strength and effective hardening time without curing after.

■ **PREPARATION FOR CEMENT APPLICATION**

To achieve required level of performance, apply KF-Jet per 1000 Kg of cement as follows:

1. FSC: Apply 10 Kg of KF-Jet per 1000 Kg of cement to get KF-Jet 10 with 10÷20 min set time;
2. QSC: Apply 15 Kg KF-Jet per 1000 Kg of cement to get KF-Jet 5 with 5÷10 min set time;
3. RSC: Apply 20 Kg KF-Jet per 1000 Kg of cement to get KF-Jet 3 with 3÷5 min set time.
4. Proportional KF-Jet dosage reduction begins from 650 Kg of cement.

■ **EXPECTED RESULTS**

1. Shrinkage is lower at 2 to 3 times.
2. Exothermic heat is lower by 30% to 50%.
3. Compressive strength varies up to at 25% to 40%.
4. No cracks, flakes, efflorescence, dusty spots, sliding, and dilatation seams and gaps.

■ **ESSENTIALS**

1. Applicable with low grade cements or cements that lost or behind of they cementitious and hydration values without affectation on KF-Jet performance.
2. Ideal for rapid set casting of the trafficable areas, wall blocks, structural elements and architectural forms production.
3. Economical effect is based on reproduction of Ordinary Portland Cement into the Fast/Rapid setting Cements by simple mixing.