

KALMATRON® KF-SEA APPLICATION INSTRUCTION

KALMATRON® KF-SEA is an admixture to the cementitious mixes with unwashed sea fillers such as sand and gravel. Application of sea- water is allowed in accordance with present instruction.

■ **CONCRETE MIX**

1. The minimal concrete mix volume is **0.3 m³** or about 500 Kg.
2. The dosage of KALMATRON® KF-SEA is at **12 Kg/3.**
3. Compose concrete mix that should be gravimetrically identical to conventional one.
4. Apply unwashed sea sand and gravel.
5. Sea- water should be applied into the concrete batch with volume no less than **0.3 m³.**
6. For concrete batch smaller than **0.3 m³** apply fresh water only.
7. The water to cement ratio should be at **0.38 to 0.42.**
8. Do not apply any chemical additives to the concrete batch with KALMATRON® KF-SEA.

■ **APPLICATION OF KALMATRON® KF-SEA**

1. Do not dissolve KF-SEA with water before application.
2. Strew KALMATRON® KF-SEA into the mixer only in a dry form.
3. Mix for **4 to 5** minutes and check movability of batch.
4. If that mix is stiff, add at **2 Liter/m³** of water during of mixer rotations.
5. Watch consistency after every water dosing.
6. Mix will be ready for application when creamy effect appears.

Note: After 7 to 28 days temporary efflorescence may come up. Hose it down with sea-water.

■ **SLUMP AND WORKABILITY**

Slump should be low with the standard workability or even better.

■ **CURING**

In a hot weather spray water in **12** hours. Otherwise curing is not a necessity.

■ **SAFETY**

Operation with KALMATRON® KF-SEA is similar to the cement mixing jobs. Always use an approved respirator and rubber gloves. In case KALMATRON® KF-SEA is inhaled or gets in contact with the eyes, rinse and wash abundantly with water.

■ **WARRANTY**

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use.

The only obligation of either seller or manufacturer shall be to replace any quantity of this product, which is proved to be defective. Any claim of defective product must be received in writing within six months from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.