



INSTRUCTIONS FOR QUALITY CONTROL TESTING USE OF KIM ADMIXTURE



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**CONCRETE
WATERPROOFING**

QUESTIONS: 1-800-267-8280 or www.kryton.com

PRODUCT DESCRIPTION

Chemical admixture in dry powder form effective in creating waterproof concrete.

EFFECTS ON PLASTIC CONCRETE

- Reduces the water demand for a given slump
- Plasticizes the concrete (increases the slump)
- Retards the initial set
- Air entrains

EFFECTS ON HARDENED CONCRETE

- Creates impermeable concrete
- Reduces shrinkage and cracking
- Improves freeze/thaw resistance
- Improves concrete durability

CONCRETE HANDLING

- Do not add water to concrete after the addition of KIM. The addition of water after KIM may void the manufacturer's warranty.
- KIM enhances flow and placement characteristics of fluid concrete. Maximum values achieved if concrete mix is placed within 45 minutes of adding KIM.
- Superplasticizers may be used to enhance slumps for specific workability requirements.
- Proper consolidation and vibration is required.

SLUMP AND WATER ADDITION

- Ideal slump before the addition of KIM is 50mm - 65mm (2" - 2.5"). KIM admixture will increase slump by approximately 10-25mm (0.4" - 1.0"). KIM will provide a more significant slump increase if added to higher slump mixtures.
- If mixer truck driver is instructed to add water to the mixture, the additional water must be noted and signed for by the site superintendent on the delivery ticket.
- DO NOT add additional water to the mixture after the KIM dosage.
- After addition of KIM use superplasticizers to alter slumps and workability.

CONCRETE TESTING

- The owner, general contractor, or job specifications may require additional testing from what is called for below. The following data must be recorded to comply with the manufacturer's product warranty requirements.
- **Slump:** using CAN/CSA A23.3-5C or ASTM C143.
- **Air content:** using CAN/CSA A23.2-4C or ASTM C231.
- **Temperature:** of mix and of ambient air.
- **Time:** of batching and time of placement.
- **Cylinders:** Take compressive test cylinders from each load tested or as called for in the job specifications.
- **Alert the site superintendent and/or manufacturer of any inconsistencies or concerns.**
- Forward all test results to manufacturer and/or Kryton representative.

SAFETY

- KIM powder, when mixed with water, irritates skin and eyes.
- Safety precautions for KIM concrete are no different than for normal concrete.
- For complete safety information, please refer to the MSDS.

In cases where concrete loads are accepted that are not conforming to the specifications, record the name of the person authorizing the acceptance and the location of concrete placement.

TECHNICAL BULLETIN