



# INSTRUCTIONS FOR READY-MIX TRUCK DRIVER USE OF KIM ADMIXTURE



Technical Bulletin No. 302  
August 2001

QUESTIONS: 1-800-267-8280 or [www.kryton.com](http://www.kryton.com)

**CONCRETE  
WATERPROOFING**

## 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 waterproof concrete
- Reduces shrinkage and cracking
- Improves freeze/thaw resistance
- Improves concrete durability

## BATCHING KIM CONCRETE

- Consistency and control of water addition is important. Make sure that the drum of each truck is empty of any residual water before it is allowed to take on a new load.
- Mix all ingredients (sand, aggregate, cement, water, fibers, admixtures) within drum and bring to 50-65mm (2" - 2.5") slump prior to the addition of KIM.
- Turn KIM containers upside down once to uncompact the settled material within the pail prior to opening lid.
- Empty KIM admixture out of pails directly into concrete mixer drum.
- Reseal partial pails to eliminate moisture contamination.

## SLUMP AND WATER ADDITION

- Ideal slump before the addition of KIM is 50mm - 65mm (2" - 2.5"). KIM admixture, in most cases, will increase the 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 in order to meet the 50mm minimum, 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.

## MIXING AND TRANSPORTING

- Mix concrete for a minimum of 10 minutes on high speed after KIM dosage.
- KIM concrete may be placed up to 2 hours, however, slump may only be increased using superplasticizers.

## ADDING KIM DOSAGE ON SITE

At times when transporting distances exceed 45 minutes from the batch plant, it may be required to add the KIM dosage on the project site.

- Premeasure the required KIM material and carry on the truck.
- Turn KIM containers upside down once to uncompact the settled material within the pail prior to opening lid.
- Empty KIM admixture out of pails directly into concrete mixer drum.
- Reseal partial pails to eliminate moisture contamination.

## 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.**

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