

## ENVIROMIX i40

### *MID-RANGE WATER-REDUCING ADMIXTURE FOR HIGH PERFORMANCE CONCRETE*

#### **DESCRIPTION:**

**ENVIROMIX i40** is a high performance chemical admixture using unique polycarboxylate technology combined with innovative chemical engineering to provide the means to produce high performance concrete offering normal to accelerated setting characteristics, improved workability & finishability and improved strength development properties

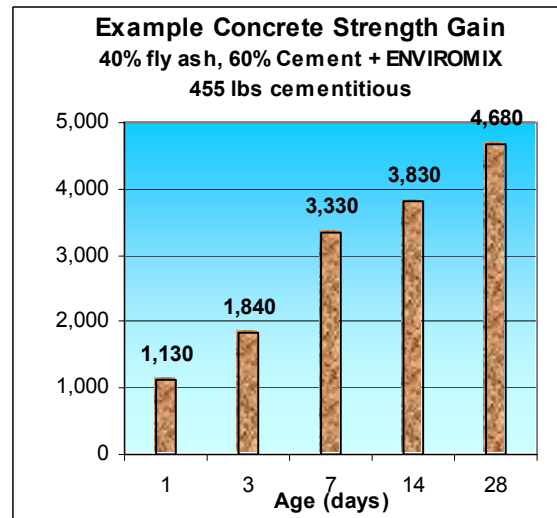
**ENVIROMIX i40** is manufactured under rigid quality control measures to provide uniform, reliable results.

#### **USES:**

**ENVIROMIX i40** is recommended for all concrete mixes where significant water reduction, improved cementitious material performance (more psi/lb), normal to accelerated set times and enhanced finishing characteristics are desirable. **ENVIROMIX i40** is especially effective in improving the performance of concrete mixes containing high volumes of fly ash and other pozzolans.

#### **ADVANTAGES:**

- Allows better utilization of mixes incorporating high volumes of pozzolans such as fly ash
- Provides increased slump and flowability without increased water content



- Improves concrete quality by reducing the water-cement ratio for a given degree of workability
- Proprietary finishing aid improves workability and finishability
- Hydration catalysts accelerate concrete set and boosts early strength
- Reduces cracking and shrinkage
- Improves concrete chemical resistance and durability
- Improves cementitious material performance (more psi/lb)

#### **DOSAGE RATE:**

**ENVIROMIX i40** is recommended for use at a dosage rate of 3 to 12 fluid ounces per 100 pounds (195 to 780 ml per 100 kg) of cement.

Because local job conditions vary, please contact your local Pro Mix sales representative for further assistance if using outside recommended dosage ranges.

**SPECIFICATIONS:**

Conforms to ASTM C 494 type A & F  
AASHTO M 194 Type A & F  
ASTM C-1017 Type 1  
CRD C 87 Type A & F

**PACKAGING:**

55-gallon drums, 275 gallon totes and bulk deliveries.

**TECHNICAL NOTE:**

**ENVIROMIX i40** is a chemically stable blue liquid and weighs approx. 10 lb./gal. **ENVIROMIX i40** does not contain any purposely added calcium chloride or other chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

**STORAGE:**

**ENVIROMIX i40** may freeze at temperatures below 33° F (2° C). Although freezing does not harm **ENVIROMIX i40**, precautions should be taken to protect it from freezing. If **ENVIROMIX i40** should happen to freeze, thaw and reconstitute with mechanical agitation. **Do Not Use Pressurized Air For Agitation.**

**COMPATIBILITY:**

**ENVIROMIX i40** is compatible with all types of Portland cement, class C and F fly ash, slag, microsilica, calcium chloride, fibers and approved air entraining admixtures.

**ENVIROMIX i40** can be used in all white, colored, and architectural concrete. For best results, each admixture must be dispensed separately into the concrete mix.

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