

# Great Eastern Technologies, LLC

## CHEMSTRONG® RX

### Hydration Controlling Retarding Admixture for Concrete

#### DESCRIPTION

Concrete begins its hydration reaction from the time the dry cement has initial contact with the batch water. **ChemStrong® RX** is a hydration-controlling set-retarding admixture designed to stabilize concrete mixes for extended periods without adversely affecting concrete performance and durability.

This advanced stabilizer coats the hydrating cement particles in the concrete resulting in the suspension of the hydration chemical process. The use of **ChemStrong® RX** maintains the plasticity, slump and postpones the set of the concrete until the dosage is chemically consumed and normal hydration continues.

#### APPLICATIONS

- Transport freshly batched ready mix concrete for extended haul times without significant loss of slump.
- Improved control of concrete set time in hot weather concrete
- Low water/cement ratio concrete in high strength concrete
- Pumping long distances
- Pervious concrete applications
- Extending finishing time 1 to 3 hours

#### BENEFITS

- Extends workable life of concrete several hours
- Allows controlled delay in set time
- Provides flexibility in logistic management of concrete pours

#### SPECIFICATIONS

- Conforms to the following Regulatory Specifications
  - ASTM C-494 Type D
- Product Specifications
  - Liquid
  - Specific Gravity 1.040 – 1.090
  - pH Value 2.0- 5.0

#### MIXING

Introduce **ChemStrong® RX** at a suitable time during the mixing process of concrete. Preliminary trials on site should be conducted to determine the required dosage rates. To optimize the stability effect, after the addition of **ChemStrong® RX**, it is recommended that the combined materials be mixed for 80-100 revolutions, either in the concrete mixer or the Ready-Mix truck.

#### DOSAGE

**ChemStrong® RX** is used at a rate of 1 to 12 fl.oz. per 100 pounds of cement for most concrete mixes using average concrete ingredients. Due to variations in concrete materials and job conditions, other dosage rates may be required. The exact dosage will depend on additional plastic time required, fresh concrete temperature, admixtures used, and specific materials involved.

#### COMPATIBILITY

**ChemStrong® RX** is compatible with air-entrained mixes, especially those containing **Setcon 6A** and **AIR-RIGHT®**. **ChemStrong® RX** is recommended for use in all concrete, including pre-stressed and concrete that contains aluminum conduit. When used with air-entrained mixes, it must be added separately to the concrete. **ChemStrong® RX** is compatible with all types of Portland cement, Class C and F Flyash, silica fume, fibers, approved air entraining, water reducing, and super plasticizing admixtures. For recommendations, contact your Great Eastern Technologies representative.

#### PRECAUTION

Care should be taken to maintain product temperatures above 40° F. Do not use pressurized air for agitation. Refer to Safety Data Sheet available at...[www.GreatEasternTechnologies.com](http://www.GreatEasternTechnologies.com) for chemical properties

#### SHELF LIFE

18 months when stored at proper temperatures.

#### WARRANTY

Great Eastern Technologies, L.L.C. warrants its products to meet current published physical properties to be free of manufacturing defects. There are no other warranties by Great Eastern Technologies, L.L.C. of any nature whatsoever expressed or implied.

#### PACKAGING

Available in Bulk, 275 gallon totes

**Prior to use of any Great Eastern Technologies admixtures, the user must read the instructions on the Product's most current Data Sheet, Product Label and Safety Data Sheet.**

