

WATER-REDUCING RETARDING ADMIXTURE FOR CONCRETE

ASTM C-494 TYPE D; AASHTO M-194 TYPE D; CRD C-87 TYPE D

CHEMSTRONG® R

DESCRIPTION Chemstrong® R is a set controlling (retarding), water-reducing admixture for concrete. Chemstrong® R will slow down the hydration of cement and lengthen set time. It is beneficial in hot weather conditions in order to overcome accelerating effects of higher temperatures and large masses of concrete on concrete setting times. Chemstrong® R is a multi-component concentrated liquid admixture, which also reduces the amount of mixing water required for concrete of a given consistency and increases efficiency of cement hydration while improving untreated concrete.

ADVANTAGES **Improvements in Plastic Concrete**

- > Less mixing water for equivalent workability
- > Reduces segregation
- > Superior finishing for characteristics
- > Extends finishing time 1 to 3 hours

Improvements in Hardened Concrete

- > Increases compressive and flexural strengths
- > Reduces permeability - more watertight concrete
- > Renders air-entrained concrete more resistant to freezing and thawing
- > Superior appearance of finished concrete
- > Minimizes cracking

PERFORMANCE Cement factor- 517 lbs/C.Y. Non air-entrained mix – typical results for weather reduction, strength, setting time and shrinkage:

Per Cubic Yard:	Plain	Chemstrong® R	Dosage/100lbs. cement	Initial Set Delay hours
Water, gals.	33.0	31.0	2 fl. oz.	1.0
Chemstrong® R, fl. oz.	0	11.0	3 fl. oz.	1.8
Slump, inches	2.5	2.5	4 fl. oz.	2.5
Initial Set, hrs.	4.95	6.0		
Compr. Str. 7 day, psi	4127	4927		
Flex. Str. 28 day, psi	767	875		
Shrinkage, 28 day, %	.032	.029		

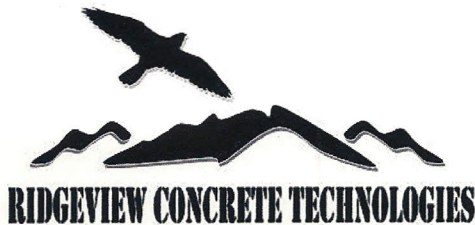
DOSAGE RATES Chemstrong® R is used at the rate of 3 ± 1 fl. oz./100 lbs. (195 ± 65 mL per 100 kg) of cement for most concrete mixes using average concrete ingredients. Due to variations in concrete materials and job conditions, other dosage rates may be required. Contact your RCT representative.

NON-CHLORIDE, NON-CORROSIVE CHEMSTRONG® R admixture will not initiate or promote corrosion of reinforcing steel embedded in concrete, pre-stressed concrete or concrete placed on galvanized steel floor and roof systems. Calcium chloride is NOT an added ingredient in the manufacture of CHEMSTRONG® R.

COMPATIBILITY Chemstrong® R does not entrain air but is compatible with air-entrained mixes. Chemstrong® R is recommended for use in all concrete. When used with air-entrained mixes, it must be added separately to the concrete. For recommendations, contact your RCT representative.

PACKAGING Bulk, totes, 55-gallon drums, 5-gallon pails

PRECAUTIONS Care should be taken to maintain product temperature above 40°F. Refer to MSDS for chemical properties.



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KEEP OUT OF REACH OF CHILDREN.
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FOR INDUSTRIAL USE ONLY.
CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION.

Ridgeview Concrete Technologies (RCT) warrants its products to be free of manufacturing defects and that the additives will meet RCT's current published physical properties when applied in accordance with RCT's directions and tested in accordance with ASTM and RCT's standards. There are no other warranties by RCT of any nature whatsoever, expressed or Implied. RCT shall also not be liable for damages of any sort. RCT shall also not be responsible for use of this product in a manner to infringe on any patent held by others.