

CORROSION-INHIBITING ADMIXTURE FOR STEEL REINFORCED CONCRETE

ASTM C-494-92; CORP OF ENGINEERS CRD-C 87-93; AASHTO M-194-94

- DESCRIPTION** Chemstrong® CI is a calcium nitrite-based corrosion inhibiting admixture for steel reinforced concrete.
- ADVANTAGES** Provides long-term protection against chloride-induced corrosion in concrete. Extends the life of steel reinforcement in all types of concrete.
- PERFORMANCE** Chemstrong® CI chemically inhibits the corrosive action of chlorides on reinforcing steel and prestressed strands in concrete. Chemstrong® CI meets or exceeds ASTM C-494 requirements for Type C, Accelerating Admixtures.
- NON-CHLORIDE, NON-CORROSIVE** Chemstrong® CI 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® CI.
- DOSAGE** Chemstrong® CI is recommended for use at the rate of 1.0 to 6.0 gal./CY³ (5.0 to 30.0 L/M³) of concrete depending upon the anticipated level of chloride exposure. The dosage rate can be determined using the values contained in below.

Chemstrong® C I Dosage Gal./CY ³	CHLORIDE PROTECTION LIMIT, LB/YD ³	
	With Chloride Bearing Materials	All Other Applications
1.0	2.1	---
2.0	4.1	6.0
3.0	6.1	9.9
4.0	8.1	13.0
5.0	10.1	15.0
6.0	12.1	16.0

Chemstrong® C I Dosage L/M ³	CHLORIDE PROTECTION LIMIT, KG/M ³	
	With Chloride Bearing Materials	All Other Applications
5.0	1.2	---
10.0	2.4	3.6
15.0	3.6	5.9
20.0	4.8	7.7
25.0	6.0	8.9
30.0	7.2	9.5

- COMPATIBILITY:** Chemstrong® CI may accelerate the setting time of concrete. If required, additional Chemstrong® admixtures may be added to the concrete to reduce the accelerating properties of Chemstrong® CI. While Chemstrong® CI of itself does not entrain air, it is compatible with air entrained mixes, and especially with Setcon 6A. (Add Chemstrong® CI immediately after the addition of Setcon 6A.) For recommendations, contact your Great Eastern Technologies representative.
- PACKAGING:** Bulk, totes, 55-gallon drums, 5-gallon pails
- PRECAUTION:** Care should be taken to maintain product temperature above 40° F. Refer to MSDS for chemical properties.



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**KEEP CONTAINER TIGHTLY CLOSED.
KEEP OUT OF REACH OF CHILDREN.
NOT FOR INTERNAL CONSUMPTION.
FOR INDUSTRIAL USE ONLY.
CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION.**

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