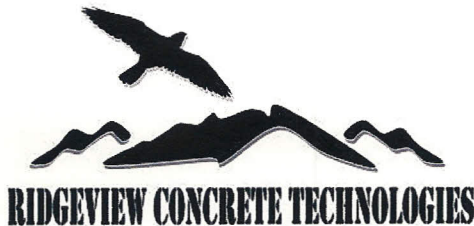


# SUPER PLASTICIZER HIGH-RANGE WATER REDUCER FOR CONCRETE

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

CHEMSTRONG® SP

- DESCRIPTION** Chemstrong® SP is a high range water reducer/super plasticizer used in concrete wherever ease of placement and higher earlier strengths are desired. It is a critical component of High Performance Concrete.
- ADVANTAGES**
- > Reduces water 15-25% while maintaining slump for excellent workability and placement.
  - > Produces concrete that is denser and less permeable with reduced shrinkage.
  - > Enables rapid strength gain for energy savings and earlier stripping (for precast/prestressed applications) and earlier structural capabilities of all types of concrete.
  - > Dramatically improves the pumpability of all types of concrete.
- PERFORMANCE** Chemstrong® SP, when added to the mix, exhibits a powerful dispersing effect on the particles of cement which normally tend to cling together in clusters that are present even in a well-agitated mix. When these particles are well dispersed, they not only flow more easily around each other but also coat the aggregate more completely, resulting in better workability and concrete of higher strengths. The water-to-cement ratio can be significantly lowered by using Chemstrong® SP.
- DOSAGE RATES** Chemstrong® SP is recommended for use at the rate of 16 ± 8 fl. oz. per 100 lbs. (1040 ± 520 mL per 100 kg) of concrete depending upon the application, required strength acceleration or desired slump. Chemstrong® SP should be added at the end of the mix cycle. The exact dosage depends upon a number of variables and is best determined through field evaluations and the recommendations of a Ridgeview Concrete representative.
- | DOSAGE GUIDELINES<br>Base slump (inches) | Dosage for each 1" slump desired<br>(fluid ounces per 100 lbs of cement) |
|--|--|
| 1-2                                      | 3.0  |
| 2-3                                      | 2.5  |
| 3-4                                      | 2.0  |
- NON-CHLORIDE, NON-CORROSIVE** Chemstrong® SP 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® SP.
- COMPATIBILITY** While Chemstrong® SP does not entrain air, it is compatible with air-entrained mixes, and especially those containing Setcon 6A. When used with air entrained mixes, it must be added separately to the concrete. For recommendations, contact your Ridgeview Concrete Technologies 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.



## Contact Us At:

Ridgeview Concrete Technologies  
16 Lower Hill Road  
Newton, NJ 07860

Phone: 973.300.5093  
Fax: 973.579.1043

[www.ridgeviewconcretetechnologies.com](http://www.ridgeviewconcretetechnologies.com)

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.

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.