

# SUPER PLASTICIZER HIGH-RANGE WATER REDUCER FOR CONCRETE

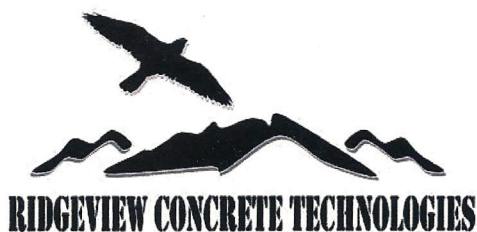
## ASTM C-494 TYPE A & F; AASHTO M-194

CHEMSTRONG® SP II

- DESCRIPTION** CHEMSTRONG® SP II is a new generation of High Range Water Reducer/Super Plasticizer, designed to meet the stringent performance requirements of today's workplace. Engineered to extend useful slump life, it dramatically increases the workability, placeability and pumpability of all types of concrete. Higher earlier strengths and enhanced finishability are all characteristics of CHEMSTRONG® SP II.
- ADVANTAGES**
- > Reduces water over 15% while providing excellent workability and placement characteristics.
  - > Delivers better slump retention than conventional high range water reducers.
  - > Produces concrete that is denser and less permeable with reduced shrinkage.
  - > Enables rapid strength gain for energy savings and earlier stripping (for precast and pre-stressed applications) and earlier structural capabilities for all types of concrete.
  - > Reduces segregation even at high slumps.
- PERFORMANCE** CHEMSTRONG® SP II, 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 stronger concrete. The water-to-cement ratio can be significantly lowered by using CHEMSTRONG® SP II.
- DOSAGE RATES** CHEMSTRONG® SP II is recommended for use at the rate of 16 ± 8 fl. Oz per 100 lbs (1040 ± 520 mL per 100 kg) of cement depending upon the application, required strength or desired slump. CHEMSTRONG SP® II 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 RCT representative. For additional information, contact your Ridgeview Concrete Technologies representative.

DOSAGE GUIDELINES Base slump (inches)	Dosage for each 1" slump desired (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 II 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 II.
- COMPATIBILITY** Chemstrong® SP II does not entrain air and is compatible with air-entrained mixes especially those containing Setcon 6A. 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:

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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.**

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.