



SUPER-P®

LIQUID PLASTICIZER DISPERSANT

PRODUCT DATA SHEET

SUPER-P® Liquid Plasticizer Dispersant is a new generation of dispersants. Based on polycarboxylate polymer technology it produces high slump concrete at low dosage with no strength loss. SUPER-P is used to reduce the filtration rate and delay the set of Portland Cement. Super-P is used in water well, minerals exploration, and construction applications. It is recommended for precast concrete applications requiring lower water cement ratios. SUPER-P Liquid Plasticizer Dispersant creates a slurry with enhanced flow properties and improved bonding characteristics. SUPER-P Liquid Plasticizer Dispersant is designed to be used with ASTM Type I, API Class A, ASTM Type II, API Class B, ASTM Type III or API Class C Portland Cements.

SUPER-P Plasticizer Dispersant has no additional water requirement. Therefore, the initial calculated volume of make-up water for the cement is all that is necessary for development of the final slurry.

BENEFITS

- 3 to 6 times more efficient than traditional plasticizers
- Low dosage needed for results
- High water reduction even at low dosage
- Improves slump retention
- Controls workability
- Faster and better placement
- Greater impermeability
- Increased concrete durability, uniformity, and strengths at all ages
- Does not contain chloride

TYPICAL PROPERTIES	
Appearance	yellow to amber liquid
pH (1% solution)	5.5 - 6.5
Ionic Character	Anionic
Charge Density	High
Active Content	50%
Specific Gravity	1.0 - 1.1
Brookfield Viscosity 20°C	200 - 2000 cps

SUPER-P LIQUID IS READY-TO-USE

MIXING INSTRUCTIONS: Minimal recommended dosage is 0.5 pt per 220 lb of total cementitious material. Optimum dosage should be determined by site trials.

SUPER-P Liquid Plasticizer Dispersant is a ready-to-use admixture to be added to the mortar/concrete mix as a separate component. For optimal concrete plasticizing effect and maximum water reduction, we recommend a minimal wet mixing time of 2-3 minutes per cubic yard.

INSTRUCTIONS:

1. Add SUPER-P Liquid Plasticizer Dispersant to the appropriate volume of make-up water and mix at high shear for 2-3 minutes prior to addition of Portland Cement.
2. Add Portland Cement to SUPER-P additive/water mixture and mix at high shear to ensure efficient wetting of cement solids.
3. Pump SUPER-P additive/cement mixture into annular space or borehole.

PACKAGING: Super-P Liquid Plasticizer Dispersant is available in 2300 lb totes or 450 lb drums. All pallets arrive wrapped in orange stretch wrap.

AVAILABILITY: Super-P Liquid Plasticizer Dispersant can be purchased through any MATRIX Construction Products Representative. Orders@matrixcp.com



The information contained herein is believed to be accurate and reliable. MATRIX Construction Products, LLC (MATRIX) accepts no responsibility for the results obtained through application of this product. MATRIX reserves the right to update information without notice. For the most current information see our website matrixcp.com.

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