

GP[®] 4819 Melamine Sulfonate Superplasticizer

PRODUCT INFORMATION

INTRODUCTION

GP[®] 4819 is an ASTM 494 TYPE A clear water-based 40% solids liquid melamine sulfonate superplasticizer. It can be used in applications in which well-dispersed particle suspension is required such as concrete, cement, mortar, grout, gypsum, and pigment slurries. GP 4819 melamine sulfonate superplasticizer lowers aqueous viscosities and promotes a uniform and effective dispersion requiring less water than other products. High solid loadings are possible with smooth, easy flowing qualities.

Melamine sulfonates are known to reduce the amount of water in cement, resulting in higher compressive and flexural strength, lower permeability, increased resistance to weathering, improved concrete and reinforcement bonds, reduced volume change from drying and wetting, and reduced shrinkage cracking tendencies.

GP 4819 is a low-viscosity admixture that is clear in color and will not influence the final color of concrete or gypsum. Concrete finishers report that GP 4819 melamine sulfonate superplasticizer provides excellent finishing characteristics to concrete. It has been shown to be compatible with other superplasticizers and most other concrete admixtures except air entrainers. When mixing admixtures, trial batches are strongly recommended.

DOSAGE

Dosage rates vary greatly dependent on the mix design and mix components. In general, dosages can range from 0.5% – 2% of weight of the cement or gypsum. Trial batches are strongly recommended.

STORAGE AND HANDLING

The product temperature should not be allowed to drop below freezing. Containers should be kept closed and away from excessive heat. It should be used in areas with good ventilation.

The product is available in tankers and 2500 lb. totes.

Additional information on the safe handling of GP 4819 melamine sulfonate superplasticizer is in the Safety Data Sheet available from Georgia-Pacific Chemicals.

TYPICAL PROPERTIES

Appearance	Clear Liquid
pH, (10% solution)	9.8
Solids, %	40

866-4GP-CHEM

www.gp-chemicals.com