

# Technical Bulletin

## High Molecular Weight Calcium Naphthalene Sulfonate Liquid Superplasticizer

Calcium Naphthalene Sulfonate Liquid is a high range superplasticizer. The product is very compatible with gypsum, cement, and concrete giving excellent ultimate strength.

### Advantages:

Calcium Naphthalene Sulfonate Liquid is a water soluble polymer and a powerful anionic dispersant for concrete, mortar, grout, gypsum and pigment slurries.

It lowers aqueous viscosities and promotes a uniform dispersion using less water. High solid loadings are possible with smooth, easy flowing characteristics.

Calcium Naphthalene Sulfonate Liquid, at normal dosages, does not affect air content in concrete, nor will it retard the set time.

### Typical Properties:

Appearance	Dark Brown Liquid
pH 10% solution	7.0
Solids	40 %
Sulfate level	< 1.0 %
Chloride content	< 0.05%

### Dosage Rate:

Dosage rates vary greatly the mix design and mix components. In general dosages can range from 0.3 – 1.0% of weight of cement or gypsum. Trial batches are strongly recommended.

### Packaging, Storage & Handling

Packaged in tankwagons

Additional handling information is contained in a Safety Data Sheet, which is available upon request.

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