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**Technical Bulletin**

**Lignosulfonate Liquid**

**Water Reducer**

Lignosulfonate Liquid is a purified calcium/sodium lignosulfonate based product used primarily as a dispersant in concrete admixtures.

**Advantages:**

Liquid Lignosulfonates are effective dispersants in concrete, mortar, grout, gypsum and pigment slurries. It lowers slurry viscosities and promotes a uniform dispersion using less water.

Lignosulfonate Liquid is a cost effective water reducer that works synergistically with other water reducers to product a better concrete/grout/gypsum end product.

Lignosulfonate Liquid increases concrete workability especially in hot weather due to a set retarding effect.

**Typical Properties:**

Appearance Brown

pH (10% solution) 7

Solids 50%

Chlorides <0.1%

**Dosage Rate:**

Dosage rates vary greatly the mix design and mix components. In general dosages can range from 0.2% – 1% of weight of cementious materials. Trial batches are strongly recommended.

**Packaging, Storage & Handling**

Packaged in tankwagons and totes

Keep containers closed and away from excessive heat.

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