

### lignin calcium sulfate



#### Description

calcium lignosulphate is made from wood pulp waste. it is a kind of power solid with the coffee color made by advanced production technology with good solubility. It is a kind of macromolecule electrolyte with 1000-100000 molecular weight. Among the molecule weight 10000-40000 dispersing capability is especially effective. The ordinary lignin sulfonic salt has ramose and intersectant molecular structure.

calcium lignosulphate features strong dispersing ability, viscosity and adhesion. As said above that the molecular weight of calcium lignosulphate is different, so it has different degree of dispersing ability. It has the feature of water-solubility hydrophilic pectic with electric charge on the particle. It is a kind of superficial active material and can absorb on the surfaces of all kinds of solid particles. It's a kind of salt produced by the strong acid, so it can be conducted metal hydronium exchange action. All kinds of active genes existing on the organic structure of lignin sulfuric acid enable the intrinsic polymeric actions or yield condensation actions with other compounds.

Due to the above-mentioned characteristics of calcium lignosulphate, it can be used as concrete water-reducing material, thinner for cement pulp, sand reinforcement material, pesticide emulsion, mill run dispersant, leather pre-tanning material, plastics adding material for porcelain of fire resistant material, grouting jello for oil well or dam and so on. At present calcium lignosulphate is widely used in such industries as building industry, water and electricity, metallurgy, pesticide, petroleum, mining and porcelain industries, etc.

The Application of calcium lignosulphate Product as Water reducing Material for Concrete.

#### Using

1. Lignin calcium sulfate is used for improving, The water-reducing materials and retarder of concrete engineering's unassuming ability.
2. Adhesive : It can be used to make porcelain Household utensils and the fire-resistant materials.
3. Lignin calcium of lignin is also used for mill run floatation close and mining prouder adhesive.
4. It's used for filling and emulsion of pesticide.

#### Specification

Items	Index
Appearance	Brown Powder
Moisture	8.0% Max.
pH	5-7
Inorganic Salts (Na <sub>2</sub> SO <sub>4</sub> )	5.0% Max.
Total Reducing Matters	12% Max.
Water Insoluble Matters	1.0% Max.
Lignosulphate Assay	55% Max.

#### Packing

25kg/bag.