

ULTRAFINE GROUT

Cementitious Grout

STABILIZE SOIL AND SEAL SEEPAGE

Ultrafine Grout is composed of a finely ground mixture of Portland cement, pumice pozzolan, and dispersant. Ultrafine Grout has an average particle size of 3 microns, in stark contrast to typical particle sizes of 60 to 70 microns in conventional cements. Ultrafine SD Grout is formulated with a naphthalene sulfonate-based superplasticizer for a foolproof system with minimal bleed and high compressive strengths for use in both rock fracture and soil stabilization applications.

FEATURES & BENEFITS

- Smaller particle size will penetrate smaller fractures and finer soils.
- Ready to use – no additives required.
- Stable North American source of supply.
- Composed of non-hazardous materials.
- Lower permeability means reduced hydraulic conductivity and extended longevity when compared to ordinary Portland cement.

PHYSICAL PROPERTIES:

Appearance: Fine light grey powder

Density: 2.7 g/cc

Bulk Density: 0.65-0.81 g/cc (untamped, tamped)

CHEMICAL PROPERTIES:

Solubility: Partly soluble in water

pH: 6.1 (1% w/w solution)

Water Requirement: 0.85 m³/ton

Yield: 1.23 m³/ton

Density: 1500 kg/m³

APPLICATIONS

- Stabilize weak soils.
- Seal seepage in mines, dams, tunnels, casing vent leaks, cement squeezes, etc.
- Low permeability grout curtaining.
- Hazardous waste containment.
- Oil well squeeze cementing.

MIXING & HANDLING

Store in sealed bags only. Partially used, open bags will take on ambient moisture. Product should be stored in a covered, dry area to avoid exposure to moisture. There are no specific ambient temperature restrictions for storage, however, sudden dramatic changes in temperature that may promote moisture condensation should be strictly avoided.

Wear the appropriate safety goggles and protective equipment when handling this product.

WHMIS: Controlled (see SDS)

TDG: Not regulated

Packaging: 20 kg bag / bulk

