CETCO® GROUT
HIGH-SOLIDS POWDERED BENTONITE GROUT

DESCRIPTION
CETCO GROUT is a 20% solids, polymer-free, single-component, easy-to-use sodium bentonite grout available in powdered form. CETCO GROUT allows placement in a low viscosity state. CETCO GROUT is certified to NSF/ANSI Standard 60, Drinking Water Treatment Chemicals - Health Effects.

RECOMMENDED USE
CETCO GROUT is designed for grouting waterwells and monitoring wells and for decommissioning abandoned wells and boreholes. It forms a low-permeability, flexible seal.

CHARACTERISTICS
- Generates no heat during curing; will not damage casings
- Low permeability; laboratory results range from $1 \times 10^{-7}$ to $1 \times 10^{-8}$ cm/sec
- Physically stable; will not flow through highly permeable soil
- Protects the aquifer from surface water intrusion
- Remains flexible; maintains putty-like consistency over time
- Single bag for easy one-step mixing

MIXING AND APPLICATION
Add one 50 lb (22.7 kg) bag of CETCO GROUT to 24 gallons (91 liters) of freshwater to produce 3.5 ft$^3$ (0.1 m$^3$) of grout. Once mixed to proper consistency, CETCO GROUT should be pumped through a tremie pipe with a positive displacement pump from the bottom of the well up to the surface. Pumping should continue until the grout at the surface reaches the initial mud weight of 9.4 lbs/gal (0.63 kg/m$^3$).

TYPICAL PROPERTIES
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Bulk Density</td>
<td>70.3 lbs/ft$^3$ (1.12 kg/L)</td>
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<tr>
<td>Specific Gravity</td>
<td>2.6 g/cm$^3$</td>
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<tr>
<td>pH</td>
<td>8.0</td>
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</tbody>
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PACKAGING
50 lb (22.7 kg) bag, 48 per pallet. All pallets are plastic-wrapped.