

### TECHNICAL DATA

**DESCRIPTION:** **US Cable Grout** is specifically formulated to produce a fluid, pumpable, non-bleeding, shrinkage compensated grout mix with extended working time that meets published PTI cable grout requirements. The resulting grout provides maximum anchorage and protection from corrosion caused by aggressive agents and stress for post tensioned cables, anchors and rods. **US Cable Grout** achieves a high strength at very high flow rates, and will not segregate. The high flow at a low water/cement ratio assures a dense, durable, stable grout. **US Cable Grout** utilizes a propriety chemical combination with a propriety, non-gas generating, shrinkage compensation system.

**USE ON:** Post tensioned cables and rods, grout columns and anchoring systems

- ADVANTAGES:**
- Non-bleeding/ very fluid
  - Excellent compressive and bond strength
  - Low permeability
  - Excellent bond to concrete substrates
  - Easy placement by hand or pump
  - Expansive

	1 DAY	7 DAYS	28 DAYS
<b>Compressive Strength</b> (ASTM C 942-99)	3000 psi	9000psi	10000 psi
<b>Flow</b> (ASTM C 939-97)	<20 seconds @ 0 minutes <30 seconds @ 30 minutes		
<b>Specific Gravity</b>	2.05		
<b>Fresh Water Density</b>	137.5 lb/ft		
<b>Chloride Permeability</b> (ASTM C 1202)	940 Coulombs		
<b>FHWA Accelerated Corrosion</b>	>1600 hours		
<b>Gelman (Shupack) Pressure Bleed</b>	<.2 %		
<b>Wick Bleed</b>	0 – meets requirements		
<b>Setting Times</b>	<b>Initial</b> 4 hours		<b>Final</b> 6 hours
<b>Open Time</b>	3 hours		
<b>Height Change</b>	+.001%		

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**MIXING:**

For each 50 lb bag of **US Cable Grout** add no more than 7.7 quarts of potable water. In a clean, appropriate, mechanical mixer add 75% of pre-measured water. With the mixer operating, add the US Cable Grout. Add remaining water as needed to achieve the desired consistency. Continue to mix until a homogeneous consistency has been achieved. Do not add additional water and do not mix more than 3 minutes. Should small quantities be required, be sure to proportion admixture, water and Portland Cement accordingly.

**LIMITATIONS:**

**US Cable Grout** should be used when ambient temperatures are at 40°F (4°C) and rising. Lower temperatures produce a slower set; higher temperatures produce a faster set. For temperatures below 40°F (4°C) consult with the manufacturer for special cold weather placement provisions which include but are not limited to conditioning of the materials, use of heated mix water and thermal protection. In hot weather use chilled water for mixing. **US Grout 715** should not be applied at less than 1" (12.7 mm) thickness.

**PACKAGING:**

**US Cable Grout** is packaged in 50 lb (22.72 kilo) Kraft multi-wall, polyethylene lined bags. Yield when mixed with water is approximately .53 ft<sup>3</sup>.

**CAUTION:**

**WARNING! CONTAINS FREE SILICA & PORTLAND CEMENT. DO NOT BREATHE DUST.** May cause delayed lung injury (silicosis). Follow OSHA safety and health standards for crystalline silica (quartz). Cement powder or freshly mixed concrete grout or mortar may cause skin injury. Avoid contact with skin and wash exposed skin areas promptly with water. If any cement powder or mixture gets into the eyes, rinse immediately and repeatedly with water and get prompt medical attention.