

TECHNICAL DATA

DESCRIPTION: **US Grout 715** is specially formulated to produce a fluid, expansive grout that can be pumped or easily placed by hand. A unique combination of portland cement, fine sand and admixtures, **US Grout 715** yields a grout that produces high early strength with very low bleed and excellent durability. **US Grout 715** can be mixed to any consistency from plastic to fluid as conditions require. Meets or exceeds ASTM C 1107.

USE ON: Tunnel cavities, machine plates, anchoring systems and cavity filling

- ADVANTAGES:**
- High early strengths
 - Excellent compressive and bond strength
 - Best bond to concrete substrates
 - Easy placement by hand or pump
 - Expansive
 - Durable
 - High flow without segregation

	12 HOURS	1 DAY	28 DAYS
Compressive Strength (ASTM C 109 Modified) Fluid 128 ounces/80 lb bag	500 psi	4000 psi	6000 psi
Flow @ 128 ounces per bag (ASTM C 1107)	< 30 seconds		
Chloride Permeability (ASTM C 1202)	940 coulombs		
Setting Times		Initial 1.5 hrs	Final 2 hours
Open Time	25 minutes		
Length Time	+ 2.5 % (max)		
Density	135 lb/ft ³		

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MIXING:

For each 80 lb bag of **US Grout 715** add up to 160 ounces of potable water according to the desired consistence. In a clean, appropriate, high speed, mechanical mixer add 75% or pre-measured water. With the mixer operating, add the **US Grout 715**. 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 six minutes. Materials should be continually re-circulated prior to placement to avoid thickening and settlement. Do not over mix. Should small quantities be required, be sure to proportion mix and water accordingly.

LIMITATIONS:

US Grout 715 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 Grout 715 is packaged in 80 lb Kraft multi-wall, polyethylene lined bags. Yield when mixed with 160 ounces of water is approximately .66 ft³.

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.