

# ChemGrout®

"Equipment for Grouting Since 1969"

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## Material Testing Results

Date: August 19, 2003

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**Manufacturer:** US Mix Product Company  
112 S. Santa Fe Drive  
Denver, CO 80223

**Contact:** Gregg Freeman  
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**Material:** GP Grout

**Lot #** USO 6303

**Material Application:** High Strength, Non-Shrink Grout

**Mfg. Plant:** Denver, CO

**Std. Bag Weight:** 50 #

**Testing Conditions:** Outside Temperature: 81°F

Humidity: 48%

**Equipment Used:** Model: CG570  
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity  
Power: Hydraulic

**Std. Mix Ratios:** 1 gal. per bag

**Water Temp:** 73 °F

**Batching Method:** Quantity Material: 200 lbs.

Quantity Water: 33.3 lbs

**Mixing Time:** 45 Seconds

**Batch Temp:** 88.9 °F

**Specific Gravity:** SG = 2.13

**Flow Cone** N/A Seconds

**Pumping Method:** Recirculated through hose, recorded pressures at various flow rates.

<b>Flow Rate/Pressure:</b>	Flow Rate	Pressure	Flow Rate	Pressure
Hose (1 1/4" x 25')	2.15 GPM	10 PSI	GPM	PSI
Hose ( )	4.30 GPM	20 PSI	GPM	PSI
Hose ( )	6.45 GPM	22 PSI	GPM	PSI
Hose ( )	8.60 GPM	32 PSI	GPM	PSI
Hose ( )	10.75 GPM	33 PSI	GPM	PSI
Hose ( )	12.90 GPM	38 PSI	GPM	PSI
Hose ( )	15.05 GPM	44 PSI	GPM	PSI
Hose ( )	17.20 GPM	48 PSI	GPM	PSI
Hose ( )	19.35 GPM	53 PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI

**Observations:** Dark gray, gritty looking product. mixed and pumped good, high discharge pressures, no separation in hopper. Estimate maximum hose length of 75 feet.

**Results:** ChemGrout, Inc. rates the pumpability of this product as a "6" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG2C6 pump or higher.