

# ChemGrout®

"Equipment for Grouting Since 1969"

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## Material Testing Results

Date: April 14, 2009

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**Manufacturer:** Universal Building Products  
840 S. 25<sup>th</sup> Ave  
Bellwood, IL 60104

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**Material:** UNIGROUT SUPER

**Lot #** H08D4201

**Material Application:** Precision, Non-Metallic, Non-Shrink Grout

**Mfg. Plant:** Centralia, IL

**Std. Bag Weight:** 50lbs #

**Testing Conditions:** Outside Temperature: 65°F

Humidity: 27%

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

Pump: 2TJ6 Progressing Cavity  
Power: Hydraulic

**Std. Mix Ratios:** 1 gal/ 50lbs bag

**Water Temp:** 50 °F

**Batching Method:** Quantity Material: 150 lbs.

Quantity Water: 25 lbs

**Mixing Time:** 150 Seconds

**Batch Temp:** 58 °F

**Specific Gravity:** SG = 2.11

**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)	4.73 GPM	2 PSI	GPM	PSI
Hose ( )	6.5 GPM	4 PSI	GPM	PSI
Hose ( )	7.42 GPM	5 PSI	GPM	PSI
Hose ( )	9.25 GPM	8 PSI	GPM	PSI
Hose ( )	11.02 GPM	10 PSI	GPM	PSI
Hose ( )	14.62 GPM	14 PSI	GPM	PSI
Hose ( )	17.90 GPM	18 PSI	GPM	PSI
Hose ( )	18.49 GPM	18 PSI	GPM	PSI
Hose ( )	21.12 GPM	21 PSI	GPM	PSI
Hose ( )	26.18 GPM	28 PSI	29.94 GPM	32 PSI

**Observations:** Mixed, pumped, and clean up was very easy, low hydraulic pressure for mixing and pumping. Also low grout pump discharge pressures  
ChemGrout estimates a maximum pumping distance of 250 feet.

**Results:** ChemGrout, Inc. rates the pumpability of this product as a "9" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG2L4 pump or higher.