

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. 25th Ave
Bellwood, IL 60104

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Material: UNIGROUT

Lot # Y50G4210

Material Application: Non-Metallic Non-Shrink Grout Suitable for all grouting requirements

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: 1gal / 50 lbs

Water Temp: 51 °F

Batching Method: Quantity Material: 150 lbs.

Quantity Water: 25 lbs

Mixing Time: 150 Seconds

Batch Temp: 60-65 °F

Specific Gravity: SG = 2.144

Flow Cone N/A Seconds

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

Flow Rate/Pressure:	Flow Rate	Pressure	Flow Rate	Pressure
Hose (1 1/4" x 25')	5.64 GPM	2 PSI	GPM	PSI
Hose ()	9.14 GPM	5 PSI	GPM	PSI
Hose ()	13.76 GPM	10 PSI	GPM	PSI
Hose ()	17.25 GPM	14 PSI	GPM	PSI
Hose ()	20.53 GPM	17 PSI	GPM	PSI
Hose ()	22.68 GPM	18 PSI	GPM	PSI
Hose ()	25.64 GPM	22 PSI	GPM	PSI
Hose ()	28.60 GPM	25 PSI	GPM	PSI
Hose ()	30.53 GPM	27 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Mixed easy, pumped easy, cleaned easy, low hydraulic pressure for mixing and pumping. Very little setting during cleanup
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 recommends the CG2L3 pump or higher.