

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 SUPER METALLIC **Lot #** X25A4201

Material Application: Percision, 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/ 50 lbs bag

Water Temp: 50 °F

Batching Method: Quantity Material: 150 lbs.

Quantity Water: 25 lbs

Mixing Time: 150 Seconds

Batch Temp: 59 °F

Specific Gravity: SG = 2.28

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')	5.38 GPM	3 PSI	GPM	PSI
Hose ()	10.21 GPM	7 PSI	GPM	PSI
Hose ()	13.65 GPM	10 PSI	GPM	PSI
Hose ()	17.68 GPM	13 PSI	GPM	PSI
Hose ()	20.37 GPM	15 PSI	GPM	PSI
Hose ()	23.38 GPM	17 PSI	GPM	PSI
Hose ()	25.10 GPM	18 PSI	GPM	PSI
Hose ()	27.25 GPM	20 PSI	GPM	PSI
Hose ()	30.32 GPM	23 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Mixed and pumped like Unigrout Super, easy to mix & pump, low hydraulic pressures. Some settling on bottom of mix tank during clean-up
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 CG2L3 pump or higher.