

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

Contact: Marek Stano
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Material: Micro-Topp

Lot # H11C4291

Material Application: 2 Component Cement based, Ploymer Modified, Topping

Mfg. Plant: Centralia,IL

Std. Bag Weight: 72 lb material #

Testing Conditions: Outside Temperature: 65°F

Humidity: 26%

Equipment Used: Model: CG570
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity
Power: Hydraulic

Std. Mix Ratios: 5 gal to 72 lbs bag

Water Temp: 62 °F

Batching Method: Quantity Material: 72 lbs.

Quantity Water: Polymer 42 lbs

Mixing Time: 150 Seconds

Batch Temp: 60.5-62.5 °F

Specific Gravity: SG = 1.60

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	2 PSI	GPM	PSI
Hose ()	8.65 GPM	2 PSI	GPM	PSI
Hose ()	10.91 GPM	2 PSI	GPM	PSI
Hose ()	12.95 GPM	2 PSI	GPM	PSI
Hose ()	15.70 GPM	2 PSI	GPM	PSI
Hose ()	19.62 GPM	3 PSI	GPM	PSI
Hose ()	23.17 GPM	4 PSI	GPM	PSI
Hose ()	27.09 GPM	5 PSI	GPM	PSI
Hose ()	31.23 GPM	6 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Mixed and pumped very easy, very low hydraulic pressure.
Smooth and creamy looking product, cleaned up very easy.
ChemGrout estimates a maximum puming distance of 300 feet.

Results: ChemGrout, Inc. rates the pumpability of this product as a "10" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG2L3 pump or higher.