

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: UNITOP

Lot # Y23C451

Material Application: Two Component Textured, Decorative Overlay System

Mfg. Plant: Centralia, IL

Std. Bag Weight: 50lbs #

Testing Conditions: Outside Temperature: 64°F

Humidity: 27%

Equipment Used: Model: CG570
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity
Power: Hydraulic

Std. Mix Ratios: 1gal Water +1gal Poly + 100bag

Water Temp: *F

Batching Method: Quantity Material: 100 lbs.

Quantity Water: 8.33 water/8.33 poly lbs

Mixing Time: 150 Seconds

Batch Temp: 66 *F

Specific Gravity: SG = 2.01

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')	4.78 GPM	8 PSI	GPM	PSI
Hose ()	6.40 GPM	10 PSI	GPM	PSI
Hose ()	8.65 GPM	11 PSI	GPM	PSI
Hose ()	10.43 GPM	13 PSI	GPM	PSI
Hose ()	13.81 GPM	17 PSI	GPM	PSI
Hose ()	15.53 GPM	19 PSI	GPM	PSI
Hose ()	16.50 GPM	21 PSI	GPM	PSI
Hose ()	20.43 GPM	24 PSI	GPM	PSI
Hose ()	25.91 GPM	31 PSI	GPM	PSI
Hose ()	28.11 GPM	34 PSI	GPM	PSI

Observations: 50% water and 50% polymer mixture added first, mixed and pumped easy. Also some grit settled out that had to added back to mix tank for more mixing. ChemGrout estimates a maximum pumping distance of 200 feet.

Results: ChemGrout, Inc. rates the pumpability of this product as a "8" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG050 pump or higher.