

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: Sensor

Lot # H05E4212

Material Application: Premium, High Performance Self-Leveling Underlayment Cement Based, Water Resistant

Mfg. Plant: Centralia, IL

Std. Bag Weight: 55lbs #

Testing Conditions: Outside Temperature: 65°F

Humidity: 27%

Equipment Used: Model: CG570
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity
Power: Hydraulic

Std. Mix Ratios: 6 qts/ 55 lbs. bag

Water Temp: 59 °F

Batching Method: Quantity Material: 165 lbs.

Quantity Water: 38 lbs

Mixing Time: 150 Seconds

Batch Temp: 62 °F

Specific Gravity: SG = 1.89

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')	5.7 GPM	13 PSI	GPM	PSI
Hose ()	8.82 GPM	23 PSI	GPM	PSI
Hose ()	13.55 GPM	36 PSI	GPM	PSI
Hose ()	19.08 GPM	51 PSI	GPM	PSI
Hose ()	23.38 GPM	62 PSI	GPM	PSI
Hose ()	27.84 GPM	71 PSI	GPM	PSI
Hose ()	31.39 GPM	78 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Smooth, mixed easy, preped easy, low hydraulic pressures, good clean-up
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.