

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: Sept. 19, 2012

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Manufacturer: SpecChem, LLC
1619 Walnut Street
Kansas City, MO 64108

Contact: Michael LeMark
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Material: UW Grout

Lot # 05211204

Material Application: Underwater Non-Shrink Grout

Mfg. Plant: Kansas City, MO

Std. Bag Weight: 50 #

Testing Conditions: Outside Temperature: 70.3°F

Humidity: 32%

Equipment Used: Model: CG570
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity
Power: Hydraulic

Std. Mix Ratios: 50 lbs. to 1 gallon

Water Temp: 70 °F

Batching Method: Quantity Material: 150 lbs.

Quantity Water: 25 lbs

Mixing Time: 180 Seconds

Batch Temp: 78 °F

Specific Gravity: SG = 2.19

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')	10.6 GPM	110 PSI	GPM	PSI
Hose ()	13.2 GPM	110 PSI	GPM	PSI
Hose ()	16.8 GPM	100 PSI	GPM	PSI
Hose ()	17.4 GPM	110 PSI	GPM	PSI
Hose ()	19.8 GPM	110 PSI	GPM	PSI
Hose ()	24.2 GPM	120 PSI	GPM	PSI
Hose ()	26.5 GPM	130 PSI	GPM	PSI
Hose ()	27.4 GPM	130 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Dark Gray color, gritty looking, no lumps, some sand settling during washout. Pumped okay with medium pressures. Estimate max hose length of 125 feet

Results: ChemGrout, Inc. rates the pumpability of the product as a "6" out of 10. with 10 being the easiest. ChemGrout, Inc. recommends the CG030 pump or higher.