

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

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Material: SC Precision Grout **Lot #** 05311210

Material Application: High Performance, Non-Shrink grout

Mfg. Plant: Kansas City **Std. Bag Weight:** 50 #

Testing Conditions: Outside Temperature: 70°F Humidity: 31%

Equipment Used: Model: CG570 Pump: 2TJ6 Progressing Cavity
Mixer: Paddle Power: Hydraulic

Std. Mix Ratios: 1 gal per 50# bag **Water Temp:** 70 °F

Batching Method: Quantity Material: 150 lbs. Quantity Water: 25 lbs

Mixing Time: 180 Seconds **Batch Temp:** 71.5 °F

Specific Gravity: SG = 2.13 **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" x25')	8.06 GPM	5 PSI	GPM	PSI
Hose ()	12.69 GPM	8 PSI	GPM	PSI
Hose ()	14.84 GPM	10 PSI	GPM	PSI
Hose ()	17.63 GPM	15 PSI	GPM	PSI
Hose ()	19.46 GPM	20 PSI	GPM	PSI
Hose ()	21.61 GPM	25 PSI	GPM	PSI
Hose ()	25.05 GPM	28 PSI	GPM	PSI
Hose ()	27.36 GPM	40 PSI	GPM	PSI
Hose ()	29.29 GPM	45 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Medium gray color, smooth creamy material, no lumps, Washed out easy no residual sand in mix tank. Pumped easy with low pressure. Estimate max hose length of 200 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 050 pump or higher.