

# 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:** Rev Crete (Course)

**Lot #** 0731203

**Material Application:** Polymer Modified Thin Resurfacing Mortar

**Mfg. Plant:** Kansas City, MO

**Std. Bag Weight:** 40 #

**Testing Conditions:** Outside Temperature: 72.5°F

**Humidity:** 30%

**Equipment Used:** Model: CG570  
Mixer: Paddle

**Pump:** 2TJ6 Progressing Cavity  
**Power:** Hydraulic

**Std. Mix Ratios:** 40 lbs. to 5 pints

**Water Temp:** 68 °F

**Batching Method:** Quantity Material: 120 lbs.

**Quantity Water:** 15.6 lbs

**Mixing Time:** 180 Seconds

**Batch Temp:** 88.5 °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" x 25')	12.7 GPM	25 PSI	GPM	PSI
Hose ( )	17.9 GPM	50 PSI	GPM	PSI
Hose ( )	20.8 GPM	60 PSI	GPM	PSI
Hose ( )	22.8 GPM	70 PSI	GPM	PSI
Hose ( )	25.9 GPM	90 PSI	GPM	PSI
Hose ( )	28.0 GPM	100 PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI

**Observations:** Light Gray color, gritty, then smooth looking, little sand settling during washout  
Pumped easy with medium pressures, mixing 2 min longer pumps easier  
Estimate max hose length of 200 feet.

**Results:** ChemGrout, Inc. rates the pumpability of the product as a "7" out of 10. with 10 being the easiest. ChemGrout, Inc. recommends the CGC4 pump or higher.