

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: Spec Flow

Lot # 08312205

Material Application: Premium Self Leveling Underlayment

Mfg. Plant: Kansas City

Std. Bag Weight: 50 #

Testing Conditions: Outside Temperature: 72°F

Humidity: 30%

Equipment Used: Model: CG570
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity
Power: Hydraulic

Std. Mix Ratios: 5.5 qts per 50# bag

Water Temp: 69.5 °F

Batching Method: Quantity Material: 150 lbs.

Quantity Water: 34.4 lbs

Mixing Time: 180 Seconds

Batch Temp: 82 °F

Specific Gravity: SG = 2.07

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')	17.7 GPM	50 PSI	16.9 GPM	35 PSI
Hose ()	19.6 GPM	100 PSI	19.9 GPM	50 PSI
Hose ()	22.6 GPM	100 PSI	22.1 GPM	50 PSI
Hose ()	25.9 GPM	110 PSI	25.4 GPM	50 PSI
Hose ()	28.8 GPM	110 PSI	28.8 GPM	60 PSI
Hose ()	31.8 GPM	115 PSI	31.8 GPM	70 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, smooth creamy material, no lumps or grit, Washed out easy no residual sand in mix tank. Pumped easy with low pressure. Pressure dropped after 2 min recirculating. Estimate max hose length of 150 feet.

Results: ChemGrout, Inc. rates the pumpability of this product as a "7" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the 050 pump or higher.