

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: Sept. 28, 2007

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Manufacturer: Kaufman Products
3811 Curtis Ave.
Baltimore, MA 21226

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Material: SureFlow 042

Lot # 042 11704 082807

Material Application: Self leveling Wear Topping

Mfg. Plant: Baltimore, MD

Std. Bag Weight: 52 #

Testing Conditions: Outside Temperature: 74°F

Humidity: 44%

Equipment Used: Model: CG570
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity
Power: Hydraulic

Std. Mix Ratios: 1 gal water to 1 52 lb bag grout

Water Temp: 71.5 *F

Batching Method: Quantity Material: 156 lbs.

Quantity Water: 25 lbs

Mixing Time: 90 Seconds

Batch Temp: 76.5 *F

Specific Gravity: SG = 2.06

Flow Cone 61 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 50')	4.5 GPM	8 PSI	26.1 GPM	69 PSI
Hose ()	6.5 GPM	14 PSI	GPM	PSI
Hose ()	8.6 GPM	22 PSI	GPM	PSI
Hose ()	10.8 GPM	30 PSI	GPM	PSI
Hose ()	13.0 GPM	40 PSI	GPM	PSI
Hose ()	15.2 GPM	47 PSI	GPM	PSI
Hose ()	17.0 GPM	50 PSI	GPM	PSI
Hose ()	19.3 GPM	50 PSI	GPM	PSI
Hose ()	21.7 GPM	56 PSI	GPM	PSI
Hose ()	23.7 GPM	62 PSI	GPM	PSI

Observations: Light gray, smooth looking material, pumped easy, low discharge pressures. Mixes easy, 90 sec mix time. Cleaned up easy, very little setting during clean up. Estimate max pumping hose length of 250 ft.

Results: ChemGrout, Inc. rates the pumpability of this product as a "9" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG050 pump or higher.