

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: June 2, 2003

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

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Material: SureFlow 040 **Lot #** 042 6951

Material Application: Self leveling Underlayment, one component

Mfg. Plant: Baltimore, MD **Std. Bag Weight:** 50 #

Testing Conditions: Outside Temperature: 74°F Humidity: 47%

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

Std. Mix Ratios: 5.5 to 6 qts. per 50 lb. bag **Water Temp:** 58 *F

Batching Method: Quantity Material: 150 lbs. Quantity Water: 34.4 lbs

Mixing Time: 180 Seconds **Batch Temp:** 70 *F

Specific Gravity: SG = 1.98 **Flow Cone** 125 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')	3.23 GPM	12 PSI	GPM	PSI
Hose ()	5.38 GPM	22 PSI	GPM	PSI
Hose ()	7.53 GPM	30 PSI	GPM	PSI
Hose ()	9.68 GPM	35 PSI	GPM	PSI
Hose ()	11.83 GPM	42 PSI	GPM	PSI
Hose ()	13.98 GPM	46 PSI	GPM	PSI
Hose ()	16.13 GPM	51 PSI	GPM	PSI
Hose ()	18.28 GPM	54 PSI	GPM	PSI
Hose ()	20.43 GPM	57 PSI	GPM	PSI
Hose ()	22.58 GPM	61 PSI	GPM	PSI

Observations: Gray product, smooth looking particles, mixed & pumped easy, Mfg recommends 3 minutes mixing time. Estimate max pumping hose length of 200 ft.

Results: ChemGrout, Inc. rates the pumpability of this product as a "8" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG050 pump or higher.