

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: Aug. 9, 2018

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Manufacturer: Kaufman Products
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Baltimore, MA 21226

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Material: SureGrout UW **Lot #**

Material Application: Non Shrinking Underwater Grout

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

Testing Conditions: Outside Temperature: 80°F Humidity: 59%

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

Std. Mix Ratios: 3.5 quart water to 1 50 lb bag grout **Water Temp:** 76 °F

Batching Method: Quantity Material: 150 lbs. Quantity Water: 21.9 lbs

Mixing Time: 300 Seconds **Batch Temp:** 80 °F

Specific Gravity: SG = n/a **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')	5.1 GPM	30 PSI	GPM	PSI
Hose ()	7.7 GPM	50 PSI	GPM	PSI
Hose ()	10.3 GPM	80 PSI	GPM	PSI
Hose ()	12.9 GPM	100 PSI	GPM	PSI
Hose ()	14.8 GPM	125 PSI	GPM	PSI
Hose ()	20.5 GPM	230 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Dark gray, gritty looking material, pumps with medium discharge pressures. Mixes easy, 300 sec mix time. Cleaned up easy, very little setting during clean up. Estimate max pumping hose length of 150 ft.

Results: ChemGrout, Inc. rates the pumpability of this product as a "7" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG030 pump or higher.