

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

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Manufacturer:	Tamms 3835 State Route 72 Kirkland, IL 60146	Contact:	Brad Nemunaitis	
		Phone:	800-862-2667	
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Material:	Level Magic	Lot #	140962	
Material Application:	Self Leveling Underlayment			
Mfg. Plant:	Kirkland, IL	Std. Bag Weight:	50 #	
Testing Conditions:	Outside Temperature: 77°F	Humidity:	50%	
Equipment Used:	Model: CG570 Mixer: Paddle	Pump:	2TJ6 Progressing Cavity	
		Power:	Hydraulic	
Std. Mix Ratios:	one 50 lb bag to 6 quarts water	Water Temp:	61 °F	
Batching Method:	Quantity Material: 150 lbs.	Quantity Water:	37.5 lbs	
Mixing Time:	60-70 Seconds	Batch Temp:	68 °F	
Specific Gravity:	SG = 1.93	Flow Cone	22 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')	2.04 GPM	0 PSI	23.81 GPM	30 PSI
Hose ()	4.30 GPM	0 PSI	GPM	PSI
Hose ()	6.45 GPM	5 PSI	GPM	PSI
Hose ()	8.49 GPM	10 PSI	GPM	PSI
Hose ()	10.7 GPM	20 PSI	GPM	PSI
Hose ()	12.79 GPM	20 PSI	GPM	PSI
Hose ()	14.89 GPM	25 PSI	GPM	PSI
Hose ()	17.20 GPM	25 PSI	GPM	PSI
Hose ()	19.19 GPM	30 PSI	GPM	PSI
Hose ()	21.50 GPM	30 PSI	GPM	PSI

Observations: Mix was lumpy, needed to leave out 25% of the water, add balance of the water after mix is smooth, pumped easy, low discharge pressures
Estimate maximum pumping distance over 200 feet at 20 GPM.

Results: ChemGrout, Inc. rates the pumpability of the product as a "9" out of 10, with 10 being the easiest. We recommend the 2C4 pump or higher