

# ChemGrout®

"Equipment for Grouting Since 1969"

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## Material Testing Results

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<b>Manufacturer:</b>	Tamms 3835 State Route 72 Kirkland, IL 60146	<b>Contact:</b>	Brad Nemunaitis	
		<b>Phone:</b>	800-862-2667	
		<b>Fax:</b>	815-522-2323	
<b>Material:</b>	Form and Pour	<b>Lot #</b>	362217	
<b>Material Application:</b>	Form and Pour grout			
<b>Mfg. Plant:</b>	Kirkland, IL, USA	<b>Std. Bag Weight:</b>	50 #	
<b>Testing Conditions:</b>	Outside Temperature: 72.5°F	Humidity:	47%	
<b>Equipment Used:</b>	Model: CG570 Mixer: Paddle	Pump:	2TJ6 Progressing Cavity	
		Power:	Hydraulic	
<b>Std. Mix Ratios:</b>	3 qts. per 50 lb. bag	<b>Water Temp:</b>	72 *F	
<b>Batching Method:</b>	Quantity Material: 200 lbs.	Quantity Water:	25 lbs	
<b>Mixing Time:</b>	45-50 Seconds	<b>Batch Temp:</b>	79 *F	
<b>Specific Gravity:</b>	SG = 2.17	<b>Flow Cone</b>	N/A Seconds	
<b>Pumping Method:</b>	Recirculated through hose, recorded pressures at various flow rates.			
<b>Flow Rate/Pressure:</b>	Flow Rate	Pressure	Flow Rate	Pressure
Hose (1 1/4" x 25')	2.15 GPM	8 PSI	23.65 GPM	76 PSI
Hose ( )	4.30 GPM	17 PSI	25.80 GPM	80 PSI
Hose ( )	6.45 GPM	27 PSI	GPM	PSI
Hose ( )	8.60 GPM	32 PSI	GPM	PSI
Hose ( )	10.75 GPM	39 PSI	GPM	PSI
Hose ( )	12.90 GPM	44 PSI	GPM	PSI
Hose ( )	15.05 GPM	52 PSI	GPM	PSI
Hose ( )	17.20 GPM	56 PSI	GPM	PSI
Hose ( )	19.35 GPM	64 PSI	GPM	PSI
Hose ( )	21.50 GPM	66 PSI	GPM	PSI

**Observations:** Mixed quickly and easy, relatively high discharge pressures, large 1/8- particles gritty looking batch, some particle separation in mix tank during washout. Estimate maximum hose length of 100 feet.

**Results:** ChemGrout, Inc. rates the pumpability of this product as a "6" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the 2C6 pump or higher.