

# 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	
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<b>Material:</b>	Express Repair	<b>Lot #</b>	148493	
<b>Material Application:</b>	High Early, Horizontal Repair Mortar			
<b>Mfg. Plant:</b>	Kirkland, IL, USA	<b>Std. Bag Weight:</b>	50 #	
<b>Testing Conditions:</b>	Outside Temperature: 72.5°F	<b>Humidity:</b>	47%	
<b>Equipment Used:</b>	Model: CG570 Mixer: Paddle	<b>Pump:</b>	2TJ6 Progressing Cavity	
		<b>Power:</b>	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.	<b>Quantity Water:</b>	25 lbs	
<b>Mixing Time:</b>	60 Seconds	<b>Batch Temp:</b>	88 *F	
<b>Specific Gravity:</b>	SG = 1.87	<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	20 PSI	23.65 GPM	85 PSI
Hose ( )	4.30 GPM	32 PSI	25.80 GPM	88 PSI
Hose ( )	6.45 GPM	48 PSI	GPM	PSI
Hose ( )	8.60 GPM	52 PSI	GPM	PSI
Hose ( )	10.75 GPM	63 PSI	GPM	PSI
Hose ( )	12.90 GPM	69 PSI	GPM	PSI
Hose ( )	15.05 GPM	73 PSI	GPM	PSI
Hose ( )	17.20 GPM	75 PSI	GPM	PSI
Hose ( )	19.35 GPM	77 PSI	GPM	PSI
Hose ( )	21.50 GPM	79 PSI	GPM	PSI

**Observations:** Mixed quickly and easy, relatively high discharge pressures, very smooth batch sets quickly, pressure levels off at higher flow rates, no separation in hopper 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.