

# ChemGrout®

"Equipment for Grouting Since 1969"

805 E. 31st Street, P.O. Box 1140

LaGrange Park, Illinois 60526

Phone: 708-354-7112 Fax: 708-354-3881

## Material Testing Results

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E-Mail: info@chemgrout.com

Web Site: www.chemgrout.com

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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>	Aquaseal LVS	<b>Lot #</b>	A-4-82579 - B-4-82580	
<b>Material Application:</b>	Pile Encapsulation - Epoxy Grout with Polygrout Aggregate			
<b>Mfg. Plant:</b>	Kirkland, IL	<b>Std. Bag Weight:</b>	A #	
<b>Testing Conditions:</b>	Outside Temperature: 70°F	<b>Humidity:</b>	66%	
<b>Equipment Used:</b>	Model: CG570 Mixer: Paddle	<b>Pump:</b>	2TJ6 Progressing Cavity	
		<b>Power:</b>	Hydraulic	
<b>Std. Mix Ratios:</b>	3 part A to 2 part B with 150 lbs agg	<b>Water Temp:</b>	n/a *F	
<b>Batching Method:</b>	Quantity Material: A= 4.5 gal B=3 gal lbs.	<b>Quantity Water:</b>	0 lbs	
<b>Mixing Time:</b>	150 Seconds	<b>Batch Temp:</b>	67-77 *F	
<b>Specific Gravity:</b>	SG = n/a	<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')	2.7 GPM	62 PSI	GPM	PSI
Hose ( )	5.4 GPM	136 PSI	GPM	PSI
Hose ( )	8.1 GPM	197 PSI	GPM	PSI
Hose ( )	10.8 GPM	236 PSI	GPM	PSI
Hose ( )	13.4 GPM	260 PSI	GPM	PSI
Hose ( )	16.1 GPM	270 PSI	GPM	PSI
Hose ( )	18.8 GPM	272 PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI

**Observations:** Starting temperature of materials effects the pumping pressures. We let the batch warm up to 72°F about 8 minutes before pumping. Estimate maximum pumping distance between 50-75 feet.

**Results:** ChemGrout, Inc. rates the pumpability of this product as a "5" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG030 HP pump.