

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	
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Material:	Aquaseal LVS	Lot #	A-4-82579 - B-4-82580	
Material Application:	Pile Encapsulation - Epoxy Grout with Flexolith Aggregate			
Mfg. Plant:	Kirkland, IL	Std. Bag Weight:	A #	
Testing Conditions:	Outside Temperature: 74°F	Humidity:	66%	
Equipment Used:	Model: CG570 Mixer: Paddle	Pump:	2TJ6 Progressing Cavity	
		Power:	Hydraulic	
Std. Mix Ratios:	3 part A to 2 part B with 200 lbs agg	Water Temp:	n/a *F	
Batching Method:	Quantity Material: A= 4.5 gal B=3 gal lbs.	Quantity Water:	0 lbs	
Mixing Time:	150 Seconds	Batch Temp:	69-75 *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')	2.7 GPM	55 PSI	GPM	PSI
Hose ()	5.4 GPM	150 PSI	GPM	PSI
Hose ()	8.1 GPM	230 PSI	GPM	PSI
Hose ()	10.8 GPM	265 PSI	GPM	PSI
Hose ()	13.4 GPM	285 PSI	GPM	PSI
Hose ()	16.1 GPM	300 PSI	GPM	PSI
Hose ()	18.8 GPM	305 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 75°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.