

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

Date: July, 27 2000

E-Mail: info@chemgrout.com

Web Site: www.chemgrout.com

Manufacturer:	C.G.M. Inc. 1463 Ford Road Bensalem, PA 19020	Contact:	Tony Brennan	
		Phone:	215-638-4400	
		Fax:	215-638-7949	
Material:	Pro Grout 100	Lot #	N/A	
Material Application:	High flow non-shrink grout			
Mfg. Plant:	Bensalem, PA	Std. Bag Weight:	50 #	
Testing Conditions:	Outside Temperature: 81.5°F	Humidity:	54%	
Equipment Used:	Model: CG570 Mixer: Paddle	Pump:	2TJ6 Progressing Cavity	
		Power:	Hydraulic	
Std. Mix Ratios:	8.2 pint per 50 lb. pail	Water Temp:	76.2 *F	
Batching Method:	Quantity Material: 200 lbs.	Quantity Water:	34.2 lbs	
Mixing Time:	50-60 Seconds	Batch Temp:	83.4 *F	
Specific Gravity:	SG = 2.20	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 (50" L x 1 1/4" I.D.)	3.3 GPM	20 PSI	GPM	PSI
Hose ()	5.0 GPM	25 PSI	GPM	PSI
Hose ()	7.6 GPM	45 PSI	GPM	PSI
Hose ()	10.2 GPM	45 PSI	GPM	PSI
Hose ()	12.4 GPM	50 PSI	GPM	PSI
Hose ()	14.4 GPM	55 PSI	GPM	PSI
Hose ()	16.7 GPM	55 PSI	GPM	PSI
Hose ()	19.0 GPM	60 PSI	GPM	PSI
Hose ()	21.0 GPM	60 PSI	GPM	PSI
Hose ()	23.4 GPM	60 PSI	GPM	PSI

Observations: Grey, gritty, thick, product builds up does not level easy, product too thick to flow through flow cone. Relitvly high discharge pressures, max hose lenght estimated at 100 feet

Results: ChemGrout rates the pumpability of this product as a "6" on a scale of 10, with 10 being the easiest. ChemGrout recommends a 2TJ6 pump or higher.