

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 90	Lot #	TK048-1	
Material Application:	Non-shrink grout "Standard"			
Mfg. Plant:	Bensalem, PA	Std. Bag Weight:	55 #	
Testing Conditions:	Outside Temperature: 82.2°F	Humidity:	55%	
Equipment Used:	Model: CG570 Mixer: Paddle	Pump:	2TJ6 Progressing Cavity	
		Power:	Hydraulic	
Std. Mix Ratios:	8.75 pints per 50 lb. bag	Water Temp:	75.3 °F	
Batching Method:	Quantity Material: 165 lbs.	Quantity Water:	27.4 lbs	
Mixing Time:	20-30 Seconds	Batch Temp:	86.4 °F	
Specific Gravity:	SG = 2.84	Flow Cone	23 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.)	3.7 GPM	0 PSI	GPM	PSI
Hose ()	5.5 GPM	0 PSI	GPM	PSI
Hose ()	7.6 GPM	10 PSI	GPM	PSI
Hose ()	9.6 GPM	10 PSI	GPM	PSI
Hose ()	12.0 GPM	12 PSI	GPM	PSI
Hose ()	14.0 GPM	15 PSI	GPM	PSI
Hose ()	16.0 GPM	17 PSI	GPM	PSI
Hose ()	18.4 GPM	20 PSI	GPM	PSI
Hose ()	20.5 GPM	22 PSI	GPM	PSI
Hose ()	23.1 GPM	25 PSI	GPM	PSI

Observations: Light gray color, some 1/16" particles, mixed and pumped easy
Sand separated during washout, smooth texture. Very little pressure build up
even at high flow rates, estimate maximum pumping distance over 200 feet.

Results: ChemGrout rates the pumpability of this product as a "7" on a scale of 10, with
10 being the easiest. ChemGrout recommends a CG050 pump or higher.