

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

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Manufacturer:	BASF - Masterbuilders 23700 Chagrin Blvd	Contact:	Fred Goodwin	
		Phone:	216-839-7009	
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Material:	Masterflow 1205	Lot #		
Material Application:	High Performance Grout for Highly Stressed Steel			
Mfg. Plant:	N/A	Std. Bag Weight:	55 #	
Testing Conditions:	Outside Temperature: 63.8°F	Humidity:	32%	
Equipment Used:	Model: CG400 Mixer: Colloidal Shear Disk	Pump:	2L4 Progressing Cavity	
		Power:	Electric/Hydraulic	
Std. Mix Ratios:	1.8-2.0 gal per 55 lb bag	Water Temp:	61 *F	
Batching Method:	Quantity Material: 110 lbs.	Quantity Water:	30 lbs	
Mixing Time:	Sampled every 120 Seconds	Batch Temp:	61.5-74.5 *F	
Specific Gravity:	SG = N/A	Flow Cone	Seconds	
Pumping Method:	Recirculated through hose, recorded pressures at various flow rates.			
Flow Rate/Pressure:	Pump Flow Rate	Pressure	Mixing Time	Flow Cone
Hose (1" x 50')	.84 GPM	5 PSI	4 MIN	19.3 SEC
Hose ()	1.39 GPM	6 PSI	6 MIN	17.8 SEC
Hose ()	2.29 GPM	9 PSI	8 MIN	24.3 SEC
Hose ()	3.11 GPM	10 PSI	10 MIN	16.6 SEC
Hose ()	5.46 GPM	12 PSI		

Observations: Mixed for 10 minutes sampling every 2 minutes. Recorder flow cone times after mixing For 4 minutes. Took about 30 sec after last bag to take all the material into suspension. Estimate pumping distance over 250 feet.

Results: ChemGrout, Inc. rates the pumpability of this product as a "9" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG050 pump or higher.