

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: Nov. 5, 2014

E-Mail: info@chemgrout.com

Web Site: www.chemgrout.com

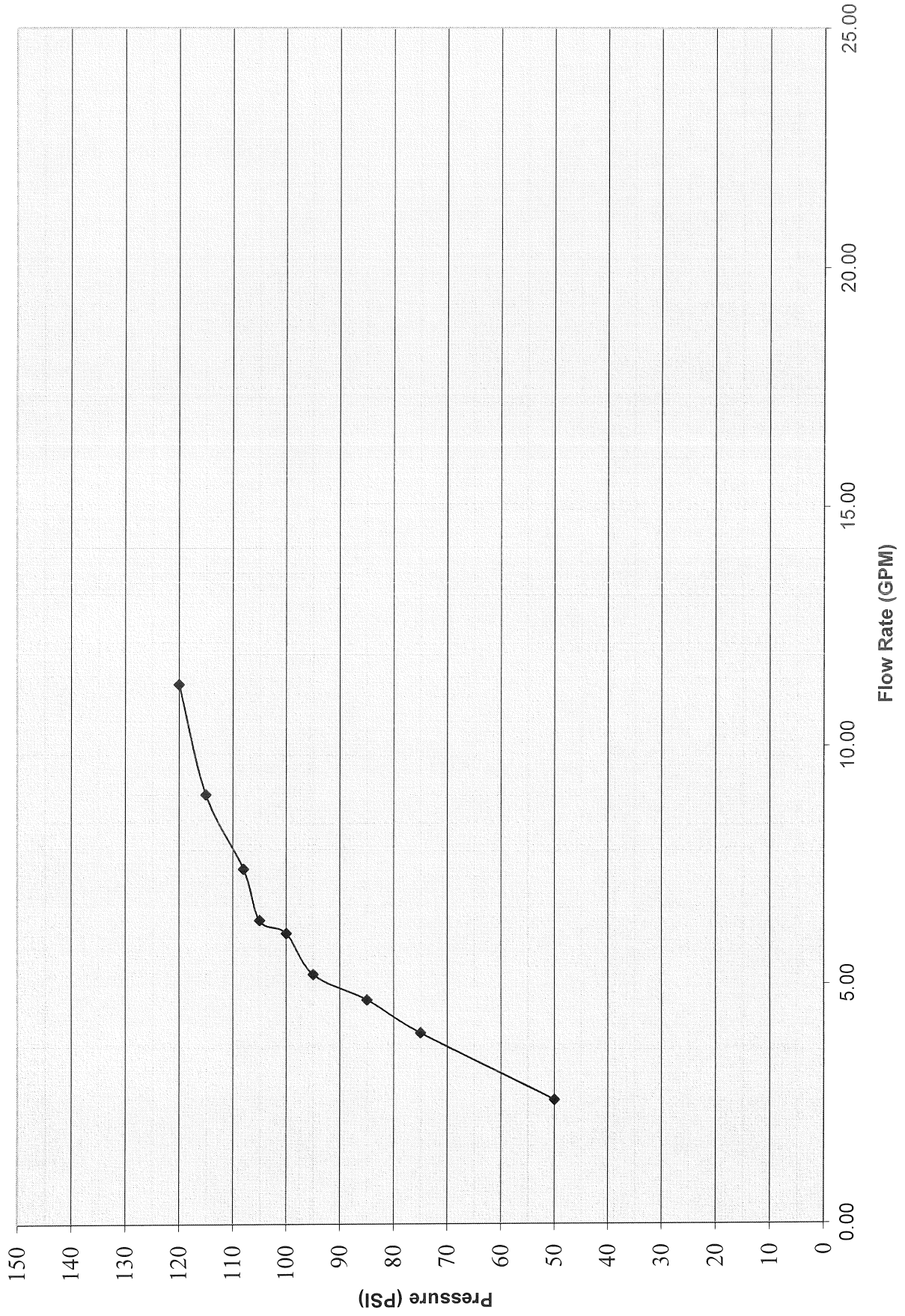
Manufacturer:	ChemMasters 300 Edwards Street Madison, OH 44057	Contact:	John Fauth Phone: 800-486-7866 Fax: 440-428-7091	
Material:	Level Top	Lot #	F424223	
Material Application:	Self Leveling Underlayment			
Mfg. Plant:	Madison, OH	Std. Bag Weight:	50 #	
Testing Conditions:	Outside Temperature: 65°F	Humidity:	44%	
Equipment Used:	Model: CG570 Mixer: Paddle	Pump:	2TJ6 Progressing Cavity Power: Hydraulic	
Std. Mix Ratios:	50 lbs bag to 5 qts water	Water Temp:	59 °F	
Batching Method:	Quantity Material: 150 lbs.	Quantity Water:	31.2 lbs	
Mixing Time:	180 Seconds	Batch Temp:	67 °F	
Specific Gravity:	SG = 2.10	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 50' Hose)	2.6 GPM	50 PSI	GPM	PSI
Hose ()	4.0 GPM	75 PSI	GPM	PSI
Hose ()	4.7 GPM	85 PSI	GPM	PSI
Hose ()	5.2 GPM	95 PSI	GPM	PSI
Hose ()	6.1 GPM	100 PSI	GPM	PSI
Hose ()	6.3 GPM	105 PSI	GPM	PSI
Hose ()	7.4 GPM	108 PSI	GPM	PSI
Hose ()	9.0 GPM	115 PSI	GPM	PSI
Hose ()	11.3 GPM	120 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Dark Gray, smooth looking material. Mixed and pumped easy with low pumping pressure. Estimate max hose length of 200 feet

Results: ChemGrout, Inc. rates the pumpability of this product as a "8" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG050 pump or higher.

ChemMasters Level Top

1 1/4" x 50' Hose



ChemGrout Pump Test Data

Date Tested: Nov. 5, 2014

Tested By: Joe Schatz
Paul Biela

Manufacturer: ChemMasters

Contact: John Fauth
Phone: 440-428-2105
Fax: 440-428-7091

Material: Level Top

Lot# F424223

Hose Used: One 1.25 Inch I.D. x 50 Foot Long = Total 50 Foot

Product Pump RPM	Product		Hydraulic Pump		Power
	Flow Rate (GPM)	Pressure (PSI)	Flow Rate(GPM)	Pressure (PSI)	HP Required
48.0	2.58	50	3.5	300	0.61
74.0	3.98	75	5.0	300	0.88
87.0	4.68	85	6.0	350	1.23
97.0	5.21	95	7.0	450	1.84
113.0	6.07	100	8.0	400	1.87
118.0	6.34	105	9.0	400	2.10
138.0	7.42	108	10.0	450	2.63
167.0	8.98	115	12.0	450	3.15
210.0	11.29	120	15.5	700	6.33
Average HP Required =					2.29

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ChemGrout Sieve Test Data

Date Tested: Nov. 5, 2014

Tested By: Joe Schatz
Paul Biela

Manufacturer: ChemMasters

Contact: John Fauth
Phone: 440-428-2105
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Material: Level Top

Lot# F424223

Hose Used: One 1.25 Inch I.D. x 50 Foot Long = Total 50 Foot

Sieve #	Weight Retained	% Retained	Cumulative Ret	Weight Passed	% Passed
4	0 Grams	0.0%	0.0%	500 Grams	100.0%
8	0 Grams	0.0%	0.0%	500 Grams	100.0%
16	0 Grams	0.0%	0.0%	500 Grams	100.0%
30	1 Grams	0.2%	0.2%	499 Grams	99.8%
50	123 Grams	24.6%	24.8%	376 Grams	75.2%
100	120 Grams	24.0%	48.8%	256 Grams	51.2%
200	136 Grams	27.2%	76.0%	120 Grams	24.0%
PAN	120 Grams	24.0%	100.0%	0 Grams	0.0%

Total Sample = 500 Grams

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