

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 22, 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: ChemMix

Lot # G434690

Material Application: High Strength Concrete Mix

Mfg. Plant: Madison, OH

Std. Bag Weight: 50 #

Testing Conditions: Outside Temperature: 86°F

Humidity: 58%

Equipment Used: Model: CG570
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity
Power: Hydraulic

Std. Mix Ratios: 50 lb bag to 3 qts water

Water Temp: 72 °F

Batching Method: Quantity Material: 150 lbs.

Quantity Water: 18.7 lbs

Mixing Time: 180 Seconds

Batch Temp: 86 °F

Specific Gravity: SG = 2.15

Flow Cone N/A Seconds

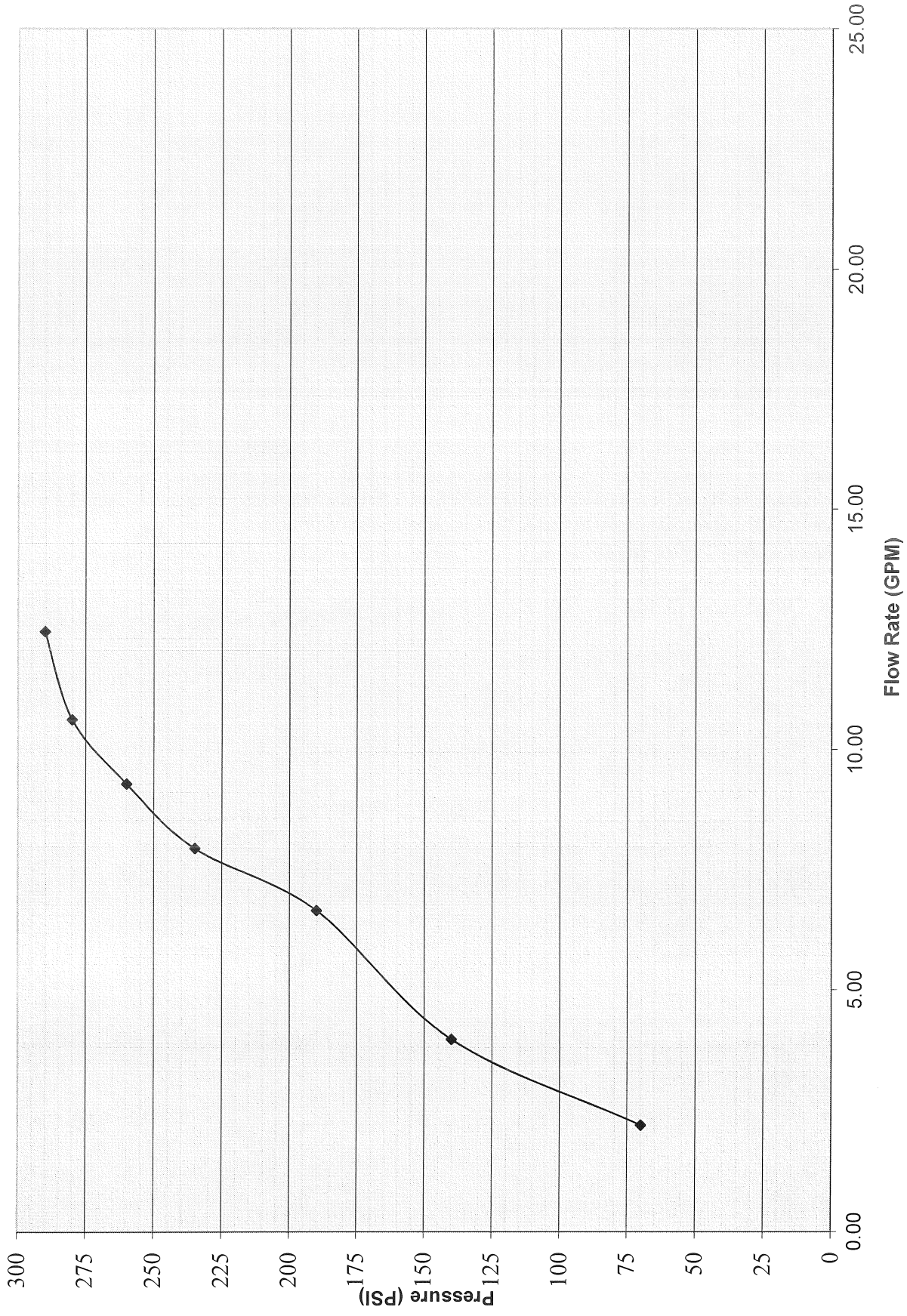
Pumping Method: Recirculated through hose, recorded pressures at various flow rates.

Flow Rate/Pressure:	Flow Rate	Pressure	Flow Rate	Pressure
Hose (1 1/4" x 50' Hose)	2.2 GPM	70 PSI	GPM	PSI
Hose ()	4.0 GPM	140 PSI	GPM	PSI
Hose ()	6.7 GPM	190 PSI	GPM	PSI
Hose ()	8.0 GPM	235 PSI	GPM	PSI
Hose ()	9.3 GPM	260 PSI	GPM	PSI
Hose ()	10.6 GPM	280 PSI	GPM	PSI
Hose ()	12.5 GPM	290 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Dark Gray, gritty, thick, looking material. Low water Ratio. Mixed and pumping with high pressure. Estimate max hose length of 50 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 CG3C6 pump or higher.

ChemMasters ChemMix 1 1/4" x 50' Hose



ChemGrout Sieve 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: ChemMix

Lot# G424690

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	40 Grams	8.0%	8.0%	460 Grams	92.0%
30	73 Grams	14.6%	22.6%	387 Grams	77.4%
50	117 Grams	23.4%	46.0%	270 Grams	54.0%
100	81 Grams	16.2%	62.2%	189 Grams	37.8%
200	82 Grams	16.4%	78.6%	107 Grams	21.4%
PAN	107 Grams	21.4%	100.0%	0 Grams	0.0%

Total Sample = 500 Grams

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