

# 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:** Level Top Supreme

**Lot #** A423540

**Material Application:** Self Leveling Overlay Material

**Mfg. Plant:** Madison, OH

**Std. Bag Weight:** 50 #

**Testing Conditions:** Outside Temperature: 86°F

**Humidity:** 50%

**Equipment Used:** Model: CG570  
Mixer: Paddle

**Pump:** 2TJ6 Progressing Cavity  
**Power:** Hydraulic

**Std. Mix Ratios:** 50 lb bag to 4.5 qts water

**Water Temp:** 72.5 °F

**Batching Method:** Quantity Material: 150 lbs.

**Quantity Water:** 28.1 lbs

**Mixing Time:** 180 Seconds

**Batch Temp:** 80 °F

**Specific Gravity:** SG = 2.00

**Flow Cone** N/A Seconds

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

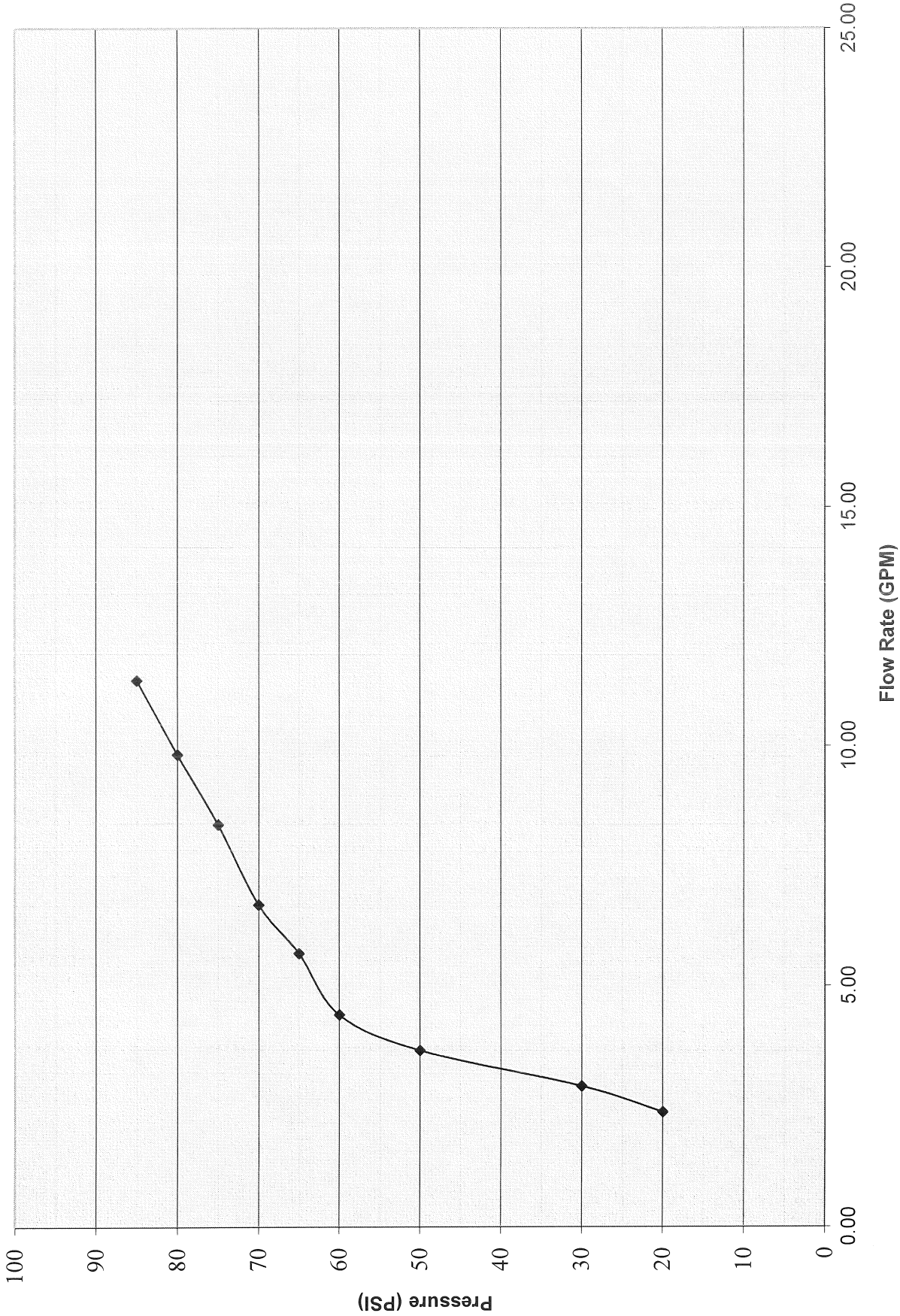
<b>Flow Rate/Pressure:</b>	Flow Rate	Pressure	Flow Rate	Pressure
Hose (1 1/4" x 50' Hose)	2.4 GPM	20 PSI	GPM	PSI
Hose ( )	2.9 GPM	30 PSI	GPM	PSI
Hose ( )	3.7 GPM	50 PSI	GPM	PSI
Hose ( )	4.4 GPM	60 PSI	GPM	PSI
Hose ( )	5.7 GPM	65 PSI	GPM	PSI
Hose ( )	6.7 GPM	70 PSI	GPM	PSI
Hose ( )	8.4 GPM	75 PSI	GPM	PSI
Hose ( )	9.8 GPM	80 PSI	GPM	PSI
Hose ( )	11.4 GPM	85 PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI

**Observations:** Dark Gray, Smooth looking material. Mixed and Pumped easy. 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 Supreme

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 Supreme

**Lot#** A423540

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

<b>Product Pump</b>	<b>Product</b>		<b>Hydraulic Pump</b>		<b>Power</b>
RPM	Flow Rate (GPM)	Pressure (PSI)	Flow Rate(GPM)	Pressure (PSI)	HP Required
44.0	2.37	20	3.0	300	0.53
54.0	2.90	30	4.0	350	0.82
68.0	3.66	50	5.0	400	1.17
82.0	4.41	60	6.0	450	1.58
106.0	5.70	65	7.0	450	1.84
125.0	6.72	70	8.0	500	2.33
156.0	8.39	75	9.0	500	2.63
183.0	9.84	80	10.0	500	2.92
212.0	11.40	85	11.0	550	3.53
Average HP Required =					1.93

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**Material:** Level Top Supreme

**Lot#** A423540

**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	1 Grams	0.2%	0.2%	499 Grams	99.8%
30	74 Grams	14.8%	15.0%	425 Grams	85.0%
50	129 Grams	25.8%	40.8%	296 Grams	59.2%
100	52 Grams	10.4%	51.2%	244 Grams	48.8%
200	197 Grams	39.4%	90.6%	47 Grams	9.4%
PAN	47 Grams	9.4%	100.0%	0 Grams	0.0%

**Total Sample =** 500 Grams

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