

# ChemGrout®

"Equipment for Grouting Since 1969"

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## Material Testing Results

Date: 8/17/2000

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**Manufacturer:** Lyons Mfg, Inc.  
8900 Forney Rd  
Dallas, TX 75227-8158

**Contact:** Robert  
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**Material:** Patchcrete

**Lot #** N/A

**Material Application:** 2 component, acrylic polymer, topping & underlayout, wall repair

**Mfg. Plant:** Dallas, TX

**Std. Bag Weight:** 45 #

**Testing Conditions:** Outside Temperature: 77.3°F

**Humidity:** 61%

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

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

**Std. Mix Ratios:** 1 gal/bag

**Polymer Temp:** 76.5 °F

**Batching Method:** Quantity Material: 180 lbs.

Quantity Polymer: 4 gal

**Mixing Time:** 50-60 Seconds

**Batch Temp:** 90.6 °F

**Specific Gravity:** SG =1.96

**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 /14" X 50')	4.03GPM	80PSI	GPM	PSI
Hose (1 /14" X 50')	4.84GPM	105 PSI	GPM	PSI
Hose (1 /14" X 50')	7.9 GPM	125 PSI	GPM	PSI
Hose (1 /14" X 50')	9.57 GPM	135 PSI	GPM	PSI
Hose (1 /14" X 50')	11.83 GPM	145 PSI	GPM	PSI
Hose (1 /14" X 50')	13.73 GPM	160 PSI	GPM	PSI
Hose (1 /14" X 50')	15.8 GPM	170 PSI	GPM	PSI
Hose (1 /14" X 50')	18.1 GPM	180 PSI	GPM	PSI
Hose (1 /14" X 50')	20.21 GPM	190 PSI	GPM	PSI
Hose (1 /14" X 50')	22.68 GPM	200 PSI	GPM	PSI

**Observations:** Add polymer first, mixed smooth & easy—pumped good

**Results:** ChemGrout, Inc. rates the pumpability of this product as a "6" out of 10, with 10 being the easiest. We recommend the 030 or CG2J6 pump or higher.