

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: Flowcrete

Lot # Jul 20, 2000

Material Application: interior self leveling, topping/underlayment, no trowel

Mfg. Plant: Dallas, TX

Std. Bag Weight: 45 #

Testing Conditions: Outside Temperature: 76.4°F

Humidity: 61%

Equipment Used: Model: CG570
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity
Power: Hydraulic

Std. Mix Ratios: 3/4 gal/bag

Water Temp: 74.3 °F

Batching Method: Quantity Material: 180 lbs.

Quantity Water: 25 lbs

Mixing Time: 50-60 Seconds

Batch Temp: 82.5 °F

Specific Gravity: SG = 2.14

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')	3.28 GPM	40 PSI	GPM	PSI
Hose (1 1/4" X 50')	5.59 GPM	60 PSI	GPM	PSI
Hose (1 1/4" X 50')	8.01 GPM	75 PSI	GPM	PSI
Hose (1 1/4" X 50')	9.62 GPM	85 PSI	GPM	PSI
Hose (1 1/4" X 50')	11.83 GPM	95 PSI	GPM	PSI
Hose (1 1/4" X 50')	14.08 GPM	110 PSI	GPM	PSI
Hose (1 1/4" X 50')	16.23 GPM	120 PSI	GPM	PSI
Hose (1 1/4" X 50')	18.71 GPM	130 PSI	GPM	PSI
Hose (1 1/4" X 50')	20.43 GPM	130 PSI	GPM	PSI
Hose (1 1/4" X 50')	22.84 GPM	135 PSI	GPM	PSI

Observations: Mixed OK--needed to add about 1 lb more water to mix well
some separation during washout
Max hose length: 150-200ft

Results: ChemGrout, Inc. rates the pumpability of this product as a "7" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the 050 pump or higher.