

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: 6/26/2000

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

Contact: Robert
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Material: Super Flowcrete

Lot # C1121

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

Mfg. Plant: Dallas, TX

Std. Bag Weight: 45 #

Testing Conditions: Outside Temperature: 87°F

Humidity: 68%

Equipment Used: Model: CG570
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity
Power: Hydraulic

Std. Mix Ratios: 4 3/4 quarts/bag

Water Temp: 73 °F

Batching Method: Quantity Material: 135 lbs.

Quantity Water: 29.7 lbs

Mixing Time: 60-70 Seconds

Batch Temp: 84.5 °F

Specific Gravity: SG = 2.19

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 25')	3.23 GPM	10 PSI	GPM	PSI
Hose (1 1/4" X 25')	5.16 GPM	20 PSI	GPM	PSI
Hose (1 1/4" X 25')	6.29 GPM	30 PSI	GPM	PSI
Hose (1 1/4" X 25')	11.88 GPM	40 PSI	GPM	PSI
Hose (1 1/4" X 25')	13.28 GPM	45 PSI	GPM	PSI
Hose (1 1/4" X 25')	16.72 GPM	50 PSI	GPM	PSI
Hose (1 1/4" X 25')	20.16 GPM	55 PSI	GPM	PSI
Hose (1 1/4" X 25')	25.10 GPM	60 PSI	GPM	PSI
Hose (1 1/4" X 25')	27.79 GPM	65 PSI	GPM	PSI
Hose (1 1/4" X 25')	31.39 GPM	70 PSI	GPM	PSI

Observations: Mixed slow to avoid splashing, very easy mixing and pumping, low discharge pressures, smooth product, max hose length 150 feet

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.