

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: August 10, 2000

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Manufacturer: ChemRex- Master Builders, Inc.
23700 Chargrin Blvd.
Cleveland, OH 44122

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Material: Emaco S88 CI **Lot #** 7/07/00 168462400 00097

Material Application: Spray Applied, Structural repair mortar, Fiber enhanced, Shrinkage compensated
Corrosion inhibited

Mfg. Plant: Streetsborough, OH **Std. Bag Weight:** 55 #

Testing Conditions: Outside Temperature: 82.5°F Humidity: 61%

Equipment Used: Model: CG570 Pump: 2TJ6 Progressing Cavity
Mixer: Paddle Power: Hydraulic

Std. Mix Ratios: 7.5 lbs. water per 55 lb bag **Water Temp:** 77.5 *F

Batching Method: Quantity Material: 165 lbs. Quantity Water: 22.5 lbs

Mixing Time: 50-60 Seconds **Batch Temp:** 88.5 *F

Specific Gravity: SG = N/A **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 (50' Long x 1 1/4" I.D.)	3.28 GPM	137 PSI	GPM	PSI
Hose ()	3.76 GPM	166 PSI	GPM	PSI
Hose ()	3.87 GPM	188 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Dark Grey color, Gritty looking mix, Larger particles 1/8" , very high discharge pressures, kicked off breaker at 6 GPM hydraulic oil
Estimate maximum pumping distance over 25 feet at 5 GPM

Results: ChemGrout, Inc. rates the pumpability of this product as a "5" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG2J6 pump or higher.