

# 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:** Mastertop Topping 112 **Lot #** N/A

**Material Application:** Self leveling polymer modified, industrial topping

**Mfg. Plant:** N/A **Std. Bag Weight:** 50 #

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

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

**Std. Mix Ratios:** 8.34 lbs. water per 55 lb bag **Water Temp:** 74.7 °F

**Batching Method:** Quantity Material: 150 lbs. Quantity Water: 25 lbs

**Mixing Time:** 110-120 Seconds **Batch Temp:** 89+ °F

**Specific Gravity:** SG = 2.07 **Flow Cone** 126 Seconds

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

Flow Rate/Pressure:	Flow Rate	Pressure	Flow Rate	Pressure
Hose (12.5' Long x 1 1/4" I.D.)	3.33 GPM	0 PSI	GPM	PSI
Hose ( )	5.54 GPM	10 PSI	GPM	PSI
Hose ( )	8.01 GPM	20 PSI	GPM	PSI
Hose ( )	9.94 GPM	20 PSI	GPM	PSI
Hose ( )	12.09 GPM	25 PSI	GPM	PSI
Hose ( )	14.24 GPM	30 PSI	GPM	PSI
Hose ( )	16.18 GPM	35 PSI	GPM	PSI
Hose ( )	18.49 GPM	35 PSI	GPM	PSI
Hose ( )	20.75 GPM	35 PSI	GPM	PSI
Hose ( )	23.17 GPM	38 PSI	GPM	PSI

**Observations:** Dark Grey color, gritty looking mix, mixed very easy, low discharge pressure pumped easy,  
Estimate maximum pumping distance over 150 feet at 15 GPM

**Results:** ChemGrout, Inc. rates the pumpability of this product as a "7" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG050 pump or higher.