

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

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

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Material: Thoro Self-Leveling Underlayment **Lot #** 2552

Material Application: Self-Leveling Underlayment

Mfg. Plant: Centerville, IN **Std. Bag Weight:** 55 #

Testing Conditions: Outside Temperature: 85.2°F Humidity: 39%

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

Std. Mix Ratios: 11.0 lbs water per 55 lb.bag **Water Temp:** 77.4 *F

Batching Method: Quantity Material: 165 lbs. Quantity Water: 34 lbs

Mixing Time: 30-40 Seconds **Batch Temp:** 82.5 *F

Specific Gravity: SG = 2.01 **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.)	3.49 GPM	25 PSI	GPM	PSI
Hose ()	5.75 GPM	25 PSI	GPM	PSI
Hose ()	7.85 GPM	25 PSI	GPM	PSI
Hose ()	9.68 GPM	30 PSI	GPM	PSI
Hose ()	11.77 GPM	30 PSI	GPM	PSI
Hose ()	13.81 GPM	40 PSI	GPM	PSI
Hose ()	16.07 GPM	40 PSI	GPM	PSI
Hose ()	18.06 GPM	40 PSI	GPM	PSI
Hose ()	20.32 GPM	42 PSI	GPM	PSI
Hose ()	23.87 GPM	42 PSI	GPM	PSI

Observations: Light gray color, very smooth looking mix, thick for an underlayment mixed and pump easy, low discharge pressures
Estimate maximum pumping distance over 150 feet at 15 GPM.

Results: ChemGrout, Inc. rates the pumpability of this product as a "8" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG2C4 pump or higher.