

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

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Manufacturer: ChemRex- ThoRoc
889 Valley Park Drive
Shakopee, MN 55379

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Material: LA Repair Mortar

Lot # 5501-4

Material Application: One-component, flowable shrinkage compensated grout, flowable concrete
Flows well into tight spots, like rebar,

Mfg. Plant: New Eagle, PA

Std. Bag Weight: 55 #

Testing Conditions: Outside Temperature: 85.2°F

Humidity: 39%

Equipment Used: Model: CG570
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity
Power: Hydraulic

Std. Mix Ratios: 6.67 lbs. water per 50 lb bag

Water Temp: 77.4 °F

Batching Method: Quantity Material: 165 lbs.

Quantity Water: 20 lbs

Mixing Time: 110-120 Seconds

Batch Temp: 96 °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 (12.5' L x 1 1/4" I.D.) | 3.3 GPM | 10 PSI | 23.9 GPM | 45 PSI |
| Hose () | 5.1 GPM | 15 PSI | GPM | PSI |
| Hose () | 7.7 GPM | 15 PSI | GPM | PSI |
| Hose () | 9.9 GPM | 25 PSI | GPM | PSI |
| Hose () | 11.8 GPM | 30 PSI | GPM | PSI |
| Hose () | 14.1 GPM | 35 PSI | GPM | PSI |
| Hose () | 16.0 GPM | 35 PSI | GPM | PSI |
| Hose () | 18.3 GPM | 40 PSI | GPM | PSI |
| Hose () | 20.5 GPM | 40 PSI | GPM | PSI |
| Hose () | 22.9 GPM | 45 PSI | GPM | PSI |

Observations: Dark gray, smooth appearance, long working life, sounds crunchy in mixer
material sticks together good, batch heated up to 96°F final,
Estimate max pumping distance over 100 feet

Results: ChemGrout rates the pumpability of this product as a "6" out of 10, with
10 being the easiest. ChemGrout, recommends the CG050 pump or higher.