

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: August 8, 2000

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Manufacturer: TR Systems
1653 Ithaca Drive
Maperville, IL 60565

Contact: Mark Gabryszewski
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Material: Diamond Top **Lot #** N/A

Material Application: Chemical Resistant Floor Topping "Resurfacing"
Mixed with Diamond Top Liquid

Mfg. Plant: Naperville, IL **Std. Bag Weight:** 50 #

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

Equipment Used: Model: 550P Pump: 050
Mixer: Paddle Power: Air

Std. Mix Ratios: 45% Liquid **Water Temp:** 58.5 °F

Batching Method: Quantity Material: 150 lbs. Quantity Water: 4.5 gallons lbs

Mixing Time: 20-30 Seconds **Batch Temp:** 86.0 °F

Specific Gravity: SG = 2.15 **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' Long X 1" ID)	5.3 GPM	20 PSI	GPM	PSI
Hose ()	7.6 GPM	30 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
Hose ()	GPM	PSI	GPM	PSI

Observations: Mixed easy, sets up very fast, requires chilled liquid to increase working time, Syrayed good, self-leveled nicely, sand settled must keep mixing, Emmited ammonia gas during curing, need good ventilation.

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.