

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: April 14, 2009

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Manufacturer: Universal Building Products
840 S. 25th Ave
Bellwood, IL 60104

Contact: Marek Stano
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Material: Patch Supreme Plus

Lot # H10B4201

Material Application: 2 component, latex modified repair mortar

Mfg. Plant: Centralia, IL

Std. Bag Weight: 50lbs #

Testing Conditions: Outside Temperature: 66°F

Humidity: 26%

Equipment Used: Model: CG570
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity
Power: Hydraulic

Std. Mix Ratios: 7 pints polymer/ 50 lb bag

Water Temp: 64 °F

Batching Method: Quantity Material: 150 lbs.

Quantity Water: Polymer 23 lbs

Mixing Time: 180 Seconds

Batch Temp: 67-75 °F

Specific Gravity: SG = 2.08

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 (1 1/4" x 25')	5.97 GPM	46 PSI	GPM	PSI
Hose ()	8.71 GPM	67 PSI	GPM	PSI
Hose ()	11.50 GPM	81 PSI	GPM	PSI
Hose ()	14.19 GPM	96 PSI	GPM	PSI
Hose ()	15.91 GPM	97 PSI	GPM	PSI
Hose ()	19.24 GPM	112 PSI	GPM	PSI
Hose ()	22.95 GPM	126 PSI	GPM	PSI
Hose ()	22.75 GPM	132 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: If mixture is too thin when first made add 3/4 bag to make thick viscosity. Lower hyd pressure during mix cycle, Pumped okay, high discharge pressures. Dry layer on bottom mix tank during clean up. Estimate 100 feet max distance.

Results: ChemGrout, Inc. rates the pumpability of this product as a "6" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the 2C6 pump or higher.