

ChemGrout®

"Equipment for Grouting Since 1969"

805 E. 31st Street, P.O. Box 1140

LaGrange Park, Illinois 60526

Phone: 708-354-7112 Fax: 708-354-3881

Material Testing Results

Date: August 19, 2003

E-Mail: info@chemgrout.com

Web Site: www.chemgrout.com

Manufacturer: US Mix Product Company
112 S. Santa Fe Drive
Denver, CO 80223

Contact: Gregg Freeman
Phone: 303-778-7227
Fax: 303-722-8426

Material: Self Leveling Underlayment **Lot #** USO 6163

Material Application: Cementitious Self Leveling Underlayment

Mfg. Plant: Denver, CO **Std. Bag Weight:** 50 #

Testing Conditions: Outside Temperature: 81.5°F Humidity: 47%

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

Std. Mix Ratios: 5 qts. per bag **Water Temp:** 73.0 *F

Batching Method: Quantity Material: 200 lbs. Quantity Water: 41.7 lbs

Mixing Time: 75 Seconds **Batch Temp:** 78.4 *F

Specific Gravity: SG = 2.07 **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')	2.15 GPM	13 PSI	23.65 GPM	83 PSI
Hose ()	4.30 GPM	24 PSI	25.80 GPM	87 PSI
Hose ()	6.45 GPM	32 PSI	GPM	PSI
Hose ()	8.60 GPM	42 PSI	GPM	PSI
Hose ()	10.75 GPM	48 PSI	GPM	PSI
Hose ()	12.90 GPM	56 PSI	GPM	PSI
Hose ()	15.05 GPM	63 PSI	GPM	PSI
Hose ()	17.20 GPM	70 PSI	GPM	PSI
Hose ()	19.35 GPM	75 PSI	GPM	PSI
Hose ()	21.50 GPM	78 PSI	GPM	PSI

Observations: Light gray, smooth looking product. mixed and pumped good, low discharge pressures, no separation in hopper. Estimate maximum hose length of 75 feet.

Results: ChemGrout, Inc. rates the pumpability of this product as a "5" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG2C6 pump or higher.