

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: Dec 2003

E-Mail: info@chemgrout.com

Web Site: www.chemgrout.com

Manufacturer: Pagel - USA, Inc.
9919 Valley View Road, Suite 9919
Eden Prairie, MN 55344

Contact: John Gehring
Phone: 612-719-4158
Fax:

Material: V 1/50 Non Shrink Grout **Lot #** 30806214.29

Material Application: Non-shrink Grout

Mfg. Plant: Essen, Germany **Std. Bag Weight:** 55 lbs. #

Testing Conditions: Outside Temperature: 65.4°F Humidity: 40%

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

Std. Mix Ratios: 3 qts per 55 lbs bag **Water Temp:** 59 °F

Batching Method: Quantity Material: 220 lbs. Quantity Water: 25 lbs

Mixing Time: 180 Seconds **Batch Temp:** 65 °F

Specific Gravity: SG = **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 GPM	27 PSI	GPM	PSI
Hose ()	10 GPM	100 PSI	GPM	PSI
Hose ()	15 GPM	100 PSI	GPM	PSI
Hose ()	20 GPM	83 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: Light gray, gritty looking product. Mixed and pumped easy, high discharge pressure. Mfg requires 3 minutes mix time, Estimate max hose length of 100 feet.

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