

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: May 24, 2005

E-Mail: info@chemgrout.com

Web Site: www.chemgrout.com

Manufacturer: Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071

Contact: Timothy R. Gillespie
Phone: 201-933-8800
Fax: 201-933-6225

Material: SikaProof Seal **Lot #** 051230008M

Material Application: Concrete & Masonry Waterproofing Coating

Mfg. Plant: Marion, OH **Std. Bag Weight:** 50 #

Testing Conditions: Outside Temperature: 84°F Humidity: 44%

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

Std. Mix Ratios: one 50 lb bag to 7 qts water **Water Temp:** 56 °F

Batching Method: Quantity Material: 200 lbs. Quantity Water: 58 lbs

Mixing Time: 120 Seconds **Batch Temp:** 70.2 °F

Specific Gravity: SG = 1.96 **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 50')	5.3 GPM	16 PSI	7.8 GPM	20 PSI
Hose ()	10.5 GPM	24 PSI	14.0 GPM	27 PSI
Hose ()	16.2 GPM	29 PSI	20.0 GPM	33 PSI
Hose ()	26.45 GPM	40 PSI	28.8 GPM	41 PSI
Hose ()	GPM	PSI	GPM	PSI
Hose (1 1/4" x 25')	7.7 GPM	8 PSI	11.2 GPM	9 PSI
Hose ()	14.0 GPM	10 PSI	17.3 GPM	11 PSI
Hose ()	21.2 GPM	14 PSI	24.8 GPM	16 PSI
Hose ()	29.1 GPM	20 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Mixed very easy, pumped very easy, light gray smooth looking product
Estimate pumping distance over 250 feet.

Results: ChemGrout, Inc. rates the pumpability of this product as a "9" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG050 pump or higher.