

# 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 25, 2000

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:** SikaTop 111 Plus **Lot #** 052400-03441

**Material Application:** Polymer modified, self leveling mortar

**Mfg. Plant:** N/A **Std. Bag Weight:** 61.5 #

**Testing Conditions:** Outside Temperature: 80°F Humidity: 57%

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

**Std. Mix Ratios:** 1 gal polymer/bag **Polymer Temp:** 81.8 \*F

**Batching Method:** Quantity Material: 184.5 lbs. Quantity Polymer: 3 gal

**Mixing Time:** 50-60 Seconds **Batch Temp:** 90.5 \*F

**Specific Gravity:** SG = N/A **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 ft)	3.12 GPM	20 PSI	GPM	PSI
Hose ( )	5.11 GPM	30 PSI	GPM	PSI
Hose ( )	7.74 GPM	35 PSI	GPM	PSI
Hose ( )	9.78 GPM	40 PSI	GPM	PSI
Hose ( )	11.66 GPM	40 PSI	GPM	PSI
Hose ( )	13.98 GPM	45 PSI	GPM	PSI
Hose ( )	15.96 GPM	50 PSI	GPM	PSI
Hose ( )	18.28 GPM	50 PSI	GPM	PSI
Hose ( )	20.48 GPM	55 PSI	GPM	PSI
Hose ( )	22.90 GPM	60 PSI	GPM	PSI

**Observations:** very boney product—allot of sand 1/8"-3/16"  
Held together well—separated during washout  
Plugged a 12.5 ft hose—Max hose length: 25 ft

**Results:** ChemGrout, Inc. rates the pumpability of this product as a "5" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the 030 pump or higher.