

# 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:** SikaGrout 112 **Lot #** 043220106M

**Material Application:** Gernerl Purpose Non Shrink Construction Grout

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

**Testing Conditions:** Outside Temperature: 85°F Humidity: 44%

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

**Std. Mix Ratios :** one 50 lb bag to 3.8 qt water **Water Temp:** 54 \*F

**Batching Method:** Quantity Material: 200 lbs. Quantity Water: 32.3 lbs

**Mixing Time:** 180 Seconds **Batch Temp:** 84 \*F

**Specific Gravity:** SG = 2.10 **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')	5.7 GPM	17 PSI	8.1 GPM	24 PSI
Hose ( )	11.7 GPM	32 PSI	14.0 GPM	40 PSI
Hose ( )	16.6 GPM	47 PSI	19.6 GPM	54 PSI
Hose ( )	24.1 GPM	67 PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI
Hose (1 1/4" x 25')	5.8 GPM	9 PSI	10.3 GPM	15 PSI
Hose ( )	14.7 GPM	20 PSI	18.7 GPM	24 PSI
Hose ( )	24.5 GPM	31 PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI
Hose ( )	GPM	PSI	GPM	PSI

**Observations:** Mixed easy, pumped average, dark gray gritty looking, need to pre lubricate hose before pumping, sand seperating during clean out, do not flush sand into hose. Chemgrout estimate max pumping distance 150 feet.

**Results:** ChemGrout, Inc. rates the pumpability of this product as a "7" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG2C4 pump or higher.