

# ChemGrout®

"Equipment for Grouting Since 1969"

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## Material Testing Results

Date: August 25, 2000

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**Manufacturer:** Sika Corporation  
201 Polito Avenue  
Lyndhurst, NJ 07071

**Contact:** Timothy R. Gillespie  
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**Material:** Monotop 611 **Lot #** 080800-L

**Material Application:** Form and pump, repair material concrete, spaul repair

**Mfg. Plant:** Lyndhurst, NJ **Std. Bag Weight:** 50 #

**Testing Conditions:** Outside Temperature: 79.5°F Humidity: 60%

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

**Std. Mix Ratios:** 1gal/bag **Water Temp:** 78.4 \*F

**Batching Method:** Quantity Material: 150 lbs. Quantity Water: 25 lbs

**Mixing Time:** 40-50 Seconds **Batch Temp:** 89.2 \*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 (1 1/4" X 12.5 ft)	3.6 GPM	20 PSI	GPM	PSI
Hose ( )	5.97 GPM	25 PSI	GPM	PSI
Hose ( )	8.01 GPM	30 PSI	GPM	PSI
Hose ( )	9.89 GPM	30 PSI	GPM	PSI
Hose ( )	11.93 GPM	35 PSI	GPM	PSI
Hose ( )	14.19 GPM	35 PSI	GPM	PSI
Hose ( )	16.39 GPM	30 PSI	GPM	PSI
Hose ( )	18.28 GPM	30 PSI	GPM	PSI
Hose ( )	20.75 GPM	35 PSI	GPM	PSI
Hose ( )	23.49 GPM	35 PSI	GPM	PSI

**Observations:** Very high discharge pressures--some large particles 1/8"-1/16"  
Sharp quartz sand--quickly set in hose during pumping  
Max hose length: 25 ft

**Results:** ChemGrout, Inc. rates the pumpability of this product as a "3" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the 030 pump or higher.