

# 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:** SikaGrout 212

**Lot #** 071200-L-09179

**Material Application:** non-shrink--non metallic--job right fluidity

**Mfg. Plant:** Lyndhurst, NJ

**Std. Bag Weight:** 50 #

**Testing Conditions:** Outside Temperature: 81.1°F

Humidity: 47%

**Equipment Used:** Model: CG570  
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity  
Power: Hydraulic

**Std. Mix Ratios:** 6-9 pints/bag

**Water Temp:** 75.6 °F

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

Quantity Water: 29.2 lbs

**Mixing Time:** 30-40 Seconds

**Batch Temp:** 90.3 °F

**Specific Gravity:** SG = 2.21

**Flow Cone** over 120 Seconds

**Pumping Method:** Recirculated through hose, recorded pressures at various flow rates.

<b>Flow Rate/Pressure:</b>	Flow Rate	Pressure	Flow Rate	Pressure
Hose (25 ft)	3.06 GPM	30 PSI	GPM	PSI
Hose ( )	5.64 GPM	32 PSI	GPM	PSI
Hose ( )	8.33 GPM	40 PSI	GPM	PSI
Hose ( )	10.37 GPM	40 PSI	GPM	PSI
Hose ( )	12.26 GPM	45 PSI	GPM	PSI
Hose ( )	14.73 GPM	48 PSI	GPM	PSI
Hose ( )	16.61 GPM	50 PSI	GPM	PSI
Hose ( )	18.97 GPM	52 PSI	GPM	PSI
Hose ( )	21.02 GPM	55 PSI	GPM	PSI
Hose ( )	23.76 GPM	60 PSI	GPM	PSI

**Observations:** Mixed very easy--pump lower HP--low pressure discharge  
large particles with quartz sand  
Max hose length: over 200 ft

**Results:** ChemGrout, Inc. rates the pumpability of this product as a "7" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the 050 pump or higher.