

# ChemGrout®

"Equipment for Grouting Since 1969"

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## Material Testing Results

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

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**Material:** SikaGrout 300PT

**Lot #**

**Material Application:** Post Tension Steel Grout

**Mfg. Plant:** Marion, OH

**Std. Bag Weight:** 50 #

**Testing Conditions:** Outside Temperature: 84°F

**Humidity:** 44%

**Equipment Used:** Model: CG400  
Mixer: Colloidal Shear Disk

**Pump:** 2L4 Progressing Cavity  
**Power:** Electric/Hydraulic

**Std. Mix Ratios:** one 50 lb bag to 11 pint water

**Water Temp:** 61 °F

**Batching Method:** Quantity Material: 100 lbs.

**Quantity Water:** 23 lbs

**Mixing Time:** Sampled every 120 Seconds

**Batch Temp:** 61.5-79.5 °F

**Specific Gravity:** SG = 2.02

**Flow Cone** 40.7 to 19.4 Seconds

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

<b>Flow Rate/Pressure:</b>	<b>Pump Flow Rate</b>	<b>Pressure</b>	<b>Mixing Time</b>	<b>Flow Cone</b>
Hose (1" x 50')	1.2 GPM	4 PSI	6 MIN	40.7 SEC
Hose ( )	2.1 GPM	7 PSI	8 MIN	27.5 SEC
Hose ( )	2.6 GPM	8 PSI	10 MIN	23.9 SEC
Hose ( )	2.9 GPM	10 PSI	12 MIN	20.8 SEC
Hose ( )	3.3 GPM	13 PSI	14 MIN	19.4 SEC
Hose ( )	3.8 GPM	16 PSI		
Hose ( )	4.6 GPM	22 PSI		
Hose ( )	5.1 GPM	24 PSI		

**Observations:** Mixed for 14 minutes sampling every 2 minutes. Recorder flow cone times after mixing for 6 minutes. Took about 45 sec after last bag to take all the material into suspension. 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.