

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

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Material: SikaTop 121 Plus **Lot #** 031400-L

Material Application: Polymer modification, leveling/pore-sealing mortar

Mfg. Plant: Lynhurst, NJ **Std. Bag Weight:** 46.5 #

Testing Conditions: Outside Temperature: 80.6°F Humidity: 48%

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

Std. Mix Ratios: 1 gal polymer/bag **Polymer Temp:** 79.5 *F

Batching Method: Quantity Material: 139.5 lbs. Quantity Polymer: 3 gal

Mixing Time: 40-50 Seconds **Batch Temp:** 90 *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 (12.5ft)	3.55 GPM	80 PSI	GPM	PSI
Hose ()	5.81 GPM	120 PSI	GPM	PSI
Hose ()	7.53 GPM	137 PSI	GPM	PSI
Hose ()	9.41 GPM	160 PSI	GPM	PSI
Hose ()	11.02 GPM	180 PSI	GPM	PSI
Hose ()	13.22 GPM	200 PSI	GPM	PSI
Hose ()	14.89 GPM	220 PSI	GPM	PSI
Hose ()	17.68 GPM	250 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Mixed good—pumped ok—smooth & nonflowing
High discharge pressures—had to help feed pump sticking product
Max hose length: 50 ft

Results: ChemGrout, Inc. rates the pumpability of this product as a "5" out of 10, with 10 being the easiest. We recommend the 030 or CG2J6 pump or higher.