

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: Feb 2, 2001

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Manufacturer: Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071

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Material: SikaTop 123 Plus **Lot #** 062800-L

Material Application: polymer modified, non-sag mortar

Mfg. Plant: Lynhurst, NJ **Std. Bag Weight:** 44 #

Testing Conditions: Outside Temperature: 61.8°F Humidity: 24%

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

Std. Mix Ratios: 1 gal polymer/bag **Polymer Temp:** 61.6 *F

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

Mixing Time: 40-50 Seconds **Batch Temp:** 67.8 *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 (25 ft X 1 1/4in)	2.96 GPM	125 PSI	GPM	PSI
Hose ()	5.32 GPM	150 PSI	GPM	PSI
Hose ()	6.72 GPM	150 PSI	GPM	PSI
Hose ()	8.17 GPM	125 PSI	GPM	PSI
Hose ()	10.75 GPM	145 PSI	GPM	PSI
Hose ()	13.44 GPM	150 PSI	GPM	PSI
Hose ()	14.62 GPM	150 PSI	GPM	PSI
Hose ()	16.13 GPM	150 PSI	GPM	PSI
Hose ()	18.60 GPM	155 PSI	GPM	PSI
Hose ()	21.50 GPM	155 PSI	GPM	PSI

Observations: Mixed and pumped easy—stayed together well—no large particles
High discharge pressure—quick set time – ammonia smell
Max hose distance: 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.