

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: SikaCem 103 **Lot #** 070500-L-02510

Material Application: Cementitious, silica fume enhanced, gunite mortar
Dry/wet spray applied repair mortar

Mfg. Plant: Marion, OH **Std. Bag Weight:** 55 #

Testing Conditions: Outside Temperature: 83.3°F Humidity: 35%

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

Std. Mix Ratios: 5 pints/bag **Water Temp:** 74.7 °F

Batching Method: Quantity Material: 165 lbs. Quantity Water: 15.6 lbs

Mixing Time: 30-40 Seconds **Batch Temp:** N/A °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 ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Large particles 1/8" - 3/16"--Very boney product--discharge pressure very high, 2500 PSI--Right from the start had to clean machine and hose. Would not pump with the 2TJ6.

Results: ChemGrout, Inc. rates the pumpability of this product as a "3" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the 3L8 pump or higher.