

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: Sika Repair SHB **Lot #** 080200

Material Application: high build, non-sag mortar, light weight mortar repair, vertical overhead applications, hand or machine apply

Mfg. Plant: Lynhurst, NJ **Std. Bag Weight:** 50 lbs #

Testing Conditions: Outside Temperature: 78.9°F Humidity: 47%

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

Std. Mix Ratios: .8 gal **Water Temp:** 74.6 °F

Batching Method: Quantity Material: 150 lbs. Quantity Water: 20 lbs

Mixing Time: 40-50 Seconds **Batch Temp:** 91 °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 (12.5)	2.69 GPM	50 PSI	GPM	PSI
Hose ()	5.27 GPM	70 PSI	GPM	PSI
Hose ()	9.78 GPM	120 PSI	GPM	PSI
Hose ()	11.40 GPM	130 PSI	GPM	PSI
Hose ()	13.28 GPM	140 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: Very thick Repair mortar. Had to Trowel feed the pump--high discharge pressure Mixed easy-pumped ok-use quick no recirculation.

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