

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: Sika Repair 224 **Lot #** 0041229-25

Material Application: Spray applied repair mortar--Vertical & Overhead

Mfg. Plant: Canada **Std. Bag Weight:** 55 #

Testing Conditions: Outside Temperature: 83.1°F Humidity: 36%

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

Std. Mix Ratios: 3 liters per bag **Water Temp:** 74.5 *F

Batching Method: Quantity Material: 165 lbs. Quantity Water: 19.8 lbs

Mixing Time: 110-120 Seconds **Batch Temp:** 98.1 *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 ft)	2.69 GPM	50 PSI	GPM	PSI
Hose ()	5.00 GPM	75 PSI	GPM	PSI
Hose ()	7.53 GPM	100 PSI	GPM	PSI
Hose ()	9.46 GPM	110 PSI	GPM	PSI
Hose ()	11.45 GPM	115 PSI	GPM	PSI
Hose ()	13.49 GPM	125 PSI	GPM	PSI
Hose ()	15.53 GPM	130 PSI	GPM	PSI
Hose ()	17.79 GPM	135 PSI	GPM	PSI
Hose ()	18.38 GPM	150 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Took a while to reach mix consistency--was crumbly then stayed together after mixing 120 seconds--allot of fiber.
Lubricate hose--do not exceed more than 50 feet of hose length.

Results: ChemGrout, Inc. rates the pumpability of this product as a "6" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG2J6 pump or higher.