

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: May 24, 2005

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Manufacturer: Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071

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Material: SikaGrout 328 **Lot #** 050740056M

Material Application: High Performance, Precision Non Shrink Grout

Mfg. Plant: Marion, OH **Std. Bag Weight:** 50 #

Testing Conditions: Outside Temperature: 81°F Humidity: 44%

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

Std. Mix Ratios: **Water Temp:** 63.5 °F

Batching Method: Quantity Material: 200 lbs. Quantity Water: 34.4 lbs

Mixing Time: 180 Seconds **Batch Temp:** 71.5 °F

Specific Gravity: SG = 2.20 **Flow Cone** 30.7 Seconds

Pumping Method: Recirculated through hose, recorded pressures at various flow rates.

Flow Rate/Pressure:	Flow Rate	Pressure	Flow Rate	Pressure
Hose (1 1/4" x 50")	4.4 GPM	11 PSI	8.6 GPM	21 PSI
Hose ()	11.0 GPM	27 PSI	13.4 GPM	32 PSI
Hose ()	16.3 GPM	38 PSI	19.0 GPM	42 PSI
Hose ()	23.0 GPM	51 PSI	26.1 GPM	56 PSI
Hose ()	GPM	PSI	GPM	PSI
Hose (1 1/4" x 25')	4.5 GPM	5 PSI	8.1 GPM	7 PSI
Hose ()	11.5 GPM	11 PSI	15.4 GPM	15 PSI
Hose ()	18.7 GPM	18 PSI	23.7 GPM	26 PSI
Hose ()	26.8 GPM	28 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Mixed very easy, pump well, dark gray smooth looking, low pump pressure
small amount of sand settle during cleanout
ChemGrout estimates a maximum pumping distance of 200 feet.

Results: ChemGrout, Inc. rates the pumpability of this product as a "8" out of 10, with
10 being the easiest. ChemGrout, Inc. recommends the CG050 pump or higher.