

ChemGrout®

"Equipment for Grouting Since 1969"

805 E. 31st Street, P.O. Box 1140

LaGrange Park, Illinois 60526

Phone: 708-354-7112 Fax: 708-354-3881

Material Testing Results

Date: Oct 17, 2023

E-Mail: info@chemgrout.com

Web Site: www.chemgrout.com

Manufacturer: SpexCrete
29299 Clemens Rd #1-L
Westlake, OH 44145

Contact: David Schabel
Phone: 440-462-1500
Fax:

Material: SpexCrete 5000 W SLU **Lot #** n/a

Material Application: Self Leveling Underlayment

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

Testing Conditions: Outside Temperature: 51°F Humidity: 73%

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

Std. Mix Ratios: **Water Temp:** 63 °F

Batching Method: Quantity Material: 300 lbs. Quantity Water: 62.5 lbs

Mixing Time: 240 Seconds **Batch Temp:** 65.8 °F

Specific Gravity: SG = 2.08 **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 (1 1/4" x 50')	2.8 GPM	37 PSI	GPM	PSI
Hose ()	5.43 GPM	75 PSI	GPM	PSI
Hose ()	7.79 GPM	107 PSI	GPM	PSI
Hose ()	10.54 GPM	137 PSI	GPM	PSI
Hose ()	13.28 GPM	160 PSI	GPM	PSI
Hose ()	16.13 GPM	175 PSI	GPM	PSI
Hose ()	18.11 GPM	185 PSI	GPM	PSI
Hose ()	21.34 GPM	205 PSI	GPM	PSI
Hose ()	23.54 GPM	210 PSI	GPM	PSI
Hose ()	25.96 GPM	215 PSI	GPM	PSI

Observations: Thick material at start of mixing, smooth & creamy after 3 minutes of mixing. Pumped with higher pressure than normal SLU, but this material is a wear surface with higher density. Estimate maximum pumping distance over 150 feet

Results: ChemGrout rates the pumpability of this product as a "7" out of 10, with 10 being the easiest. ChemGrout recommends the CG 050 pump or higher.