

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 350 Superset ULU **Lot #**

Material Application: Ultra Lightweight Underlayment

Mfg. Plant: Westlake, OH **Std. Bag Weight:** 40 #

Testing Conditions: Outside Temperature: 52°F Humidity: 70%

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

Std. Mix Ratios: **Water Temp:** 66 °F

Batching Method: Quantity Material: 80 lbs. Quantity Water: 41.7 lbs

Mixing Time: 320 Seconds **Batch Temp:** 64 °F

Specific Gravity: SG = 1.24 **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')	2.96 GPM	0 PSI	GPM	PSI
Hose ()	5.81 GPM	5 PSI	GPM	PSI
Hose ()	8.06 GPM	10 PSI	GPM	PSI
Hose ()	11.29 GPM	12 PSI	GPM	PSI
Hose ()	13.6 GPM	15 PSI	GPM	PSI
Hose ()	15.96 GPM	15 PSI	GPM	PSI
Hose ()	18.38 GPM	20 PSI	GPM	PSI
Hose ()	21.34 GPM	20 PSI	GPM	PSI
Hose ()	23.97 GPM	22 PSI	GPM	PSI
Hose ()	26.77 GPM	22 PSI	GPM	PSI

Observations: Mixed & pumped with low hydraulic pressures, pump really easy
Small foam pellets ~1-2 mm, mixed in okay, floated during clean-up
Estimate maximum pumping distance over 300 feet

Results: ChemGrout rates the pumpability of this product as a "9" out of 10, with 10 being the easiest. ChemGrout recommends the CG 050 pump or higher.