

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: Oct 12, 2020

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Manufacturer:	SpexCrete 29299 Clemens Rd #1-L Westlake, OH 44145	Contact:	Doug Gorski	
		Phone:	440-462-1500	
		Fax:		
Material:	SpexCrete 400	Lot #	090120	
Material Application:	Lightweight Underlayment			
Mfg. Plant:	Westlake, OH	Std. Bag Weight:	44 #	
Testing Conditions:	Outside Temperature: 66°F	Humidity:	84%	
Equipment Used:	Model: CG570 Mixer: Paddle	Pump:	2TJ6 Progressing Cavity	
		Power:	Hydraulic	
Std. Mix Ratios:		Water Temp:	67 °F	
Batching Method:	Quantity Material: 51 lbs.	Quantity Water:	22.24 lbs	
Mixing Time:	240 Seconds	Batch Temp:	74.6 °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 (1 1/4" x 50')	3.44 GPM	2 PSI	GPM	PSI
Hose ()	6.40 GPM	3 PSI	GPM	PSI
Hose ()	9.57 GPM	4 PSI	GPM	PSI
Hose ()	13.33 GPM	5 PSI	GPM	PSI
Hose ()	15.86 GPM	6 PSI	GPM	PSI
Hose ()	19.73 GPM	12 PSI	GPM	PSI
Hose ()	25.02 GPM	20 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Mixed & pumped with low hydraulic pressures, pump really easy
Small foam pellets ~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.