

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: Oct 13, 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 450	Lot #	090220	
Material Application:	Lightweight Underlayment			
Mfg. Plant:	Westlake, OH	Std. Bag Weight:	33 #	
Testing Conditions:	Outside Temperature: 69°F	Humidity:	26%	
Equipment Used:	Model: CG570 Mixer: Paddle	Pump:	2TJ6 Progressing Cavity	
		Power:	Hydraulic	
Std. Mix Ratios:		Water Temp:	64.4 *F	
Batching Method:	Quantity Material: 56.36 lbs.	Quantity Water:	25.03 lbs	
Mixing Time:	240 Seconds	Batch Temp:	76.3 *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')	3.55 GPM	0 PSI	GPM	PSI
Hose ()	6.34 GPM	0 PSI	GPM	PSI
Hose ()	9.41 GPM	0 PSI	GPM	PSI
Hose ()	12.79 GPM	0 PSI	GPM	PSI
Hose ()	16.18 GPM	2 PSI	GPM	PSI
Hose ()	19.3 GPM	4 PSI	GPM	PSI
Hose ()	22.74 GPM	8 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Mixed and pumped with low hydraulic pressures, pumped very easy
Small foam pellets ~2 mm, mixed in easy, some floated during clean-up
Estimated maximum pumping distance over 350 feet

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