

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: August 17, 2017

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Manufacturer: Euclid Chemical Co.
19218 Redwood Road
Cleveland, OH 44110

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Material: E3 - Flowable **Lot #** n/a

Material Application: High-Flow Epoxy Grout, with DL Technology

Mfg. Plant: Cleveland, OH **Std. Bag Weight:** n/a #

Testing Conditions: Outside Temperature: 78°F Humidity: 88%

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

Std. Mix Ratios: 1 kit Part A + Part B to 120 lbs. of sand

Batch Temp: Started at 88.5°F, Ended 12 min later at 90.5 °F

Mixing Time: 3 min resin & hardener, 3 min to add sand

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

Flow Rate/Pressure:	Flow Rate	Pressure	Flow Rate	Pressure
Hi Flow				
4 Bags of Sand in Mix	3.8 GPM	140 PSI	5.2 GPM	170 PSI
Hose (1 ¼" x 12')	6.7 GPM	195 PSI	8.0 GPM	205 PSI
	9.5 GPM	220 PSI	11.3 GPM	230 PSI
Std Flow				
5 Bags of Sand in Mix	4.0 GPM	220 PSI	5.4 GPM	250 PSI
Hose (1 ¼" x 12')	6.6 GPM	275 PSI	7.8 GPM	300 PSI
	9.5 GPM	320 PSI	11.1 GPM	325 PSI

Observations: Stiff mix with a lot of sand to a small amount of liquid, pumped with very high discharge pressures, light brown appearance, easy clean-up with soap and water pressure. Estimated max pumping distance 50 feet.

Results: ChemGrout, Inc. rates the pumpability of this product as a "5" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the CG3C6 pump or higher.