

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: August 10, 2017

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Manufacturer: BASF- Master Builders, Inc.
23700 Chargin Blvd.
Cleveland, OH 44122

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Material: MasterEmaco S 488CI

Lot # n/a

Material Application: Sprayable, Fiber-reinforced structural repair mortar with integral corrosion inhibitor

Mfg. Plant: Streetsboro, OH

Std. Bag Weight: 55 #

Testing Conditions: Outside Temperature: 80°F

Humidity: 48%

Equipment Used: Model: CG570
Mixer: Paddle

Pump: 2TJ6 Progressing Cavity
Power: Hydraulic

Std. Mix Ratios: 1 gal water per 55 lb. bag

Water Temp: 75.5 °F

Batching Method: Quantity Material: 165 lbs.

Quantity Water: 25 lbs

Mixing Time: 240 Seconds

Batch Temp: 84 °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 (37.5' Long x 1 1/4" ID)	3.6 GPM	160 PSI	GPM	PSI
Hose ()	6.6 GPM	190 PSI	GPM	PSI
Hose ()	9.9 GPM	210 PSI	GPM	PSI
Hose ()	13.4 GPM	250 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Dark Grey color, gritty looking mix, had to use 1 gal water to make pumpable
Tried to use 0.85 gal/bag, too thick, had to remix using all the water (1 gal)
Estimate maximum pumping distance over 50 feet at 5 GPM

Results: ChemGrout, Inc. rates the pumpability of this product as a "4" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the 2C6 pump or higher.