

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: August 10, 2017

E-Mail: info@chemgrout.com

Web Site: www.chemgrout.com

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

Contact: Alex Bomstad
Phone: 216-831-5500
Fax:

Material: MasterEmaco S 440MC

Lot # 2J7177328

Material Application: Flowable Micro Concrete (formerly LA Repair Mortar)

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: 3.5 qts water to 55 lb. bag

Water Temp: 73.5 °F

Batching Method: Quantity Material: 165 lbs.

Quantity Water: 18.75 lbs

Mixing Time: 270 Seconds

Batch Temp: 89 °F

Specific Gravity: SG = 2.0

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)	4.5 GPM	105 PSI	GPM	PSI
Hose ()	7.8 GPM	140 PSI	GPM	PSI
Hose ()	11.7 GPM	160 PSI	GPM	PSI
Hose ()	13.7 GPM	180 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
Hose ()	GPM	PSI	GPM	PSI

Observations: Dark Grey color, gritty looking mix, Larger particles 1/8"+ , Have to add 2 lbs of water to mix well, High pumping pressures.
Estimate maximum pumping distance 50 to 75 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 2C6 pump or higher.