

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	Contact:	Alex Bomstad
		Phone:	216-831-5500
		Fax:	
Material:	MasterEmaco N 400	Lot #	3N71583001
Material Application:	Polymer-modified high-build repair mortar with integral corrosion inhibitor. Mixed with MasterEmaco A 400 Polymer Liquid		
Mfg. Plant:	Newark, CA	Std. Bag Weight:	45 #
Testing Conditions:	Outside Temperature: 84°F	Humidity:	45%
Equipment Used:	Model: CG570 Mixer: Paddle	Pump:	2TJ6 Progressing Cavity
		Power:	Hydraulic
Std. Mix Ratios:	1 gal polymer to 45 lb. bag	Polymer Temp:	82 °F
Batching Method:	Quantity Material: 135 lbs.	Quantity Polymer:	3 gal.
Mixing Time:	240 Seconds	Batch Temp:	90.5 °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 (25' Long x 1 1/4" I.D.)	3.4 GPM	110 PSI	GPM	PSI
Hose ()	6.7 GPM	140 PSI	GPM	PSI
Hose ()	9.7 GPM	170 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: Light Grey, Smooth looking appearance, batch mixes well, sticky material
Plugged hose trying pump 37 ft. Mixed second batch, used 120 lbs bag to
3 gal polymer. Estimate maximum pumping distance 25 feet max

Results: ChemGrout, Inc. rates the pumpability of this product as a "4" out of 10, with
10 being the easiest. ChemGrout, Inc. recommends the 3C6 pump or higher.