

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

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Manufacturer:	Crossfield Products Corp. 3000 E. Harcourt Street Rancho Dominguez, CA 90221	Contact:	Jim Oaks	
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Material:	Miracote RM Type III	Lot #	3644	
Material Application:	Repair Mortar Batch mixed with "Miracote Repair Mortar Type III Liquid"			
Mfg. Plant:	Rancho Dominguez, CA	Std. Bag Weight:	36 #	
Testing Conditions:	Outside Temperature: 84.9°F	Humidity:	56%	
Equipment Used:	Model: CG570 Mixer: Paddle	Pump:	2TJ6 Progressing Cavity	
		Power:	Hydraulic	
Std. Mix Ratios:	(1) 36 lb. bag to (1) gal. liquid	Polymer Temp:	84.7 °F	
Batching Method:	Quantity Material: 180 lbs.	Quantity Water:	42.5 lbs	
Mixing Time:	60-70 Seconds	Batch Temp:	94.6 °F	
Specific Gravity:	SG = 2.45	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 (50" L x 1 1/4" I.D.)	3.1 GPM	15 PSI	GPM	PSI
Hose ()	4.6 GPM	20 PSI	GPM	PSI
Hose ()	7.5 GPM	30 PSI	GPM	PSI
Hose (stopped pumping)	GPM	PSI	GPM	PSI
Hose (suspect aggregate)	GPM	PSI	GPM	PSI
Hose (jammed pump)	GPM	PSI	GPM	PSI
Hose (HP requirements)	GPM	PSI	GPM	PSI
Hose (to high for pumping)	GPM	PSI	GPM	PSI
Hose (any distances)	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Mixed good, thick-sticky material, fast setting, has Neoprene, hard to cleanup blueish to dark gray, thick gritty, pumped at relatively high pressures for low flow rates, estimate maximum pumping distance only 25 feet at low flow rates,

Results: ChemGrout, Inc. rate the pumpability of this product as a "4" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends a CG2L8 pump or higher.