

ChemGrout®

“Equipment for Grouting Since 1969”

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Material Testing Results

Date: July 11, 2000

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Manufacturer:	Fosroc Inc. (Mining Division) 150 Carley Court Georgetown, KY 40324	Contact:	Peter Mills	
		Phone:	502-863-6800	
		Fax:	502-863-6805	
Material:	Ultracem	Lot #	N/A	
Material Application:	Ultra fine cement for sealing small rock fissures			
Mfg. Plant	N/A	Std. Bag Weight:	30 lbs.	
Testing Conditions:	Outside Temperature 80°F	Humidity	65%	
Equipment Used:	Model CG570/H Mixer Paddle	Pump:	2TJ6 Progressing Cavity	
		Power:	Hydraulic	
Std. Mix Ratios:	18 lbs. water per 50 lb. bag	Water Temp:	74 °F	
Batching Method:	Quantity Material: 90 lbs.	Quantity Water:	54 lbs	
Mixing Time:	20-30 Seconds	Batch Temp:	82 °F	
Specific Gravity:	SG = 1.67	Flow Cone	13 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.)	5.0 GPM	0.5 PSI	GPM	PSI
Hose (50' L x 1 1/4" I.D.)	10.0 GPM	2.0 PSI	GPM	PSI
Hose (50' L x 1 1/4" I.D.)	15.0 GPM	4.5 PSI	GPM	PSI
Hose (50' L x 1 1/4" I.D.)	20.0 GPM	6.0 PSI	GPM	PSI
Hose (100' L x 1 1/4" I.D.)	GPM	PSI	GPM	PSI
Hose (100' L x 1 1/4" I.D.)	GPM	PSI	GPM	PSI
Hose (100' L x 1 1/4" I.D.)	GPM	PSI	GPM	PSI
Hose (100' L x 1 1/4" I.D.)	GPM	PSI	GPM	PSI
Observations:	Very smooth, creamy looking product, Very easy to mix and pump, Discharge pressures less than water at the same flow rates.			
Results:	ChemGrout rates the pumpability of this material as “excellent” with a rating of “A”. All ChemGrout models can mix and pump this material.			