

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

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E-Mail: info@chemgrout.com

Web Site: www.chemgrout.com

Manufacturer:	Unisorb PO Box 1000 Jackson, MI 49204	Contact:	Richard A. Haase	
		Phone:	888-486-4767	
		Fax:	517-764-5607	
Material:	Unisorb V-1	Lot #	099021H	
Material Application:	Machine Base non-shrink grout			
Mfg. Plant:	Fairiss, PA	Std. Bag Weight:	48 lbs. #	
Testing Conditions:	Outside Temperature: 78°F	Humidity:	68%	
Equipment Used:	Model: CG570 Mixer: Paddle	Pump:	2TJ6 Progressing Cavity	
		Power:	Hydraulic	
Std. Mix Ratios:	4 qts. per 48 lb bag	Water Temp:	69 °F	
Batching Method:	Quantity Material: 144 lbs.	Quantity Water:	25 lbs	
Mixing Time:	90 Seconds	Batch Temp:	79 °F	
Specific Gravity:	SG = 2.16	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 (1 1/4" x 50')	7.0 GPM	24 PSI	GPM	PSI
Hose ()	9.8 GPM	31 PSI	GPM	PSI
Hose ()	11.5 GPM	38 PSI	GPM	PSI
Hose ()	13.0 GPM	40 PSI	GPM	PSI
Hose ()	14.6 GPM	43 PSI	GPM	PSI
Hose ()	16.1 GPM	45 PSI	GPM	PSI
Hose ()	17.7 GPM	46 PSI	GPM	PSI
Hose ()	20.8 GPM	53 PSI	GPM	PSI
Hose ()	22.1 GPM	54 PSI	GPM	PSI
Hose ()	26.7 GPM	62 PSI	GPM	PSI

Observations: Mixed easy, low pumping pressures, clean out with minimal separation
max hose length 150 feet

Results: ChemGrout, Inc. rates the pumpability of this product as a "7" out of 10, with 10 being the easiest. We recommend the CGC4 or 030 pump or higher.