

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: Sept. 19, 2012

E-Mail: info@chemgrout.com

Web Site: www.chemgrout.com

Manufacturer:	SpecChem, LLC 1619 Walnut Street Kansas City, MO 64108	Contact:	Michael LeMark	
		Phone:	866-791-8700	
		Fax:		
Material:	Duo Patch	Lot #	Polymer 091012 Bag 08281207	
Material Application:	Polymer Modified 2 Part Repair Mortar			
Mfg. Plant:	Kansas City, MO	Std. Bag Weight:	50 lb.	
Testing Conditions:	Outside Temperature: 73.7°F	Humidity:	29%	
Equipment Used:	Model: CG570 Mixer: Paddle	Pump:	2TJ6 Progressing Cavity	
		Power:	Hydraulic	
Std. Mix Ratios:	7.5 Polymer per 50 lb Bag	Polymer Temp:	72.0 *F	
Batching Method:	Quantity Material: 150 lbs.	Quantity Polymer:	22.5 Pints	
Mixing Time:	180 Seconds	Batch Temp:	70.5 *F	
Specific Gravity:	SG = 2.13	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 25')	7.3 GPM	10 PSI	GPM	PSI
Hose ()	14.3 GPM	20 PSI	GPM	PSI
Hose ()	17.1 GPM	35 PSI	GPM	PSI
Hose ()	19.6 GPM	50 PSI	GPM	PSI
Hose ()	22.0 GPM	55 PSI	GPM	PSI
Hose ()	25.2 GPM	55 PSI	GPM	PSI
Hose ()	29.5 GPM	55 PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Dark Gray, smooth creamy looking, no lumps. Easy cleanup no sand in tank. Pumped easy with low pressures even at high flow rates. Estimate max hose length of 150 feet.

Results: ChemGrout, Inc. rates the pumpability of the product as a "7" out of 10. with 10 being the easiest. ChemGrout, Inc. recommends the CGC6 pump or higher.