

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: August 8, 2000

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Manufacturer: Vesuvius - Buffalo
661 Willet Road
Buffalo, NY 14218

Contact: Dennis Heuer
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Material: Hydro Grout 85AX

Lot # N/A

Material Application: Aluminum Furnace Liner

Mfg. Plant: South Webster, OH

Std. Bag Weight: 100 #

Testing Conditions: Outside Temperature: 82.5°F

Humidity: 61%

Equipment Used: Model: CG050
Mixer: Jiffy Mixer

Pump: 2" Piston
Power:

Std. Mix Ratios: 11.75% water

Water Temp: 75.6 *F

Batching Method: Quantity Material: 50 lbs.

Quantity Water: 5.9 lbs

Mixing Time: N/A Seconds

Batch Temp: N/A *F

Specific Gravity: SG = 2.51

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 (12.5' Long x 1 1/4' ID)	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
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI
Hose ()	GPM	PSI	GPM	PSI

Observations: Material contains large, sharp, jagged edged particles, very difficult to pump
Hose was expanding and contracting during pumping, maximum pumping
Distance with 2" piston pump estimated at 12.5', 25' with 3" piston pump

Results: ChemGrout, Inc. rates the pumpability of this product as a 5 on a scale of 10
With 10 being the easiest. ChemGrout, Inc. recommends the CG030 or higher.