Material Testing Results

Date: August 8, 2000
E-Mail: info@chemgrout.com
Web Site: www.chemgrout.com

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

Material: Hydro Grout 85AX
Lot #: N/A

Material Application: Aluminum Furnace Liner

Mfg. Plant: South Webster, OH

Testing Conditions:
Outside Temperature: 82.5°F
Humidity: 61%

Equipment Used:
Model: CG050
Mixer: Jiffy Mixer
Pump: 2” Piston
Power:

Std. Bag Weight: 100 #

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:

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<th>Hose (12.5’ Long x 1 ¼” ID)</th>
<th>Flow Rate</th>
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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.