

ChemGrout®

"Equipment for Grouting Since 1969"

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Material Testing Results

Date: 7/13/00

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Manufacturer: MAPEI
1851 NW 22nd Street
Fort Lauderdale, FL 33311

Contact: Kelly Page
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Material: Planicem 53 mixed with Planicrete PM

Lot # L28A003

Material Application: One component, fast setting, polymer modified, repair mortar

Mfg. Plant: N/A

Std. Bag Weight 50#

Environmental Conditions: Outside Temperature 82.5°F

Humidity 55%

Equipment Used: Model CG570
Mixer Paddle

Pump 2TJ6 Progressing Cavity
Power Hydraulic

Mixing Water Temp: N/A *F

Batching Method: Quantity Material 150 lbs.

Quantity Planicrete PM 10 lbs

Mixing Time: 60-70 Seconds

Batch Temp: 84 *F

Specific Gravity: Material Weight 248 grams
Water Weight 140 grams

SG = 1.77

Flow Cone N/A Seconds

Sieve Analysis: Weight Retained (grams)

No. 4	0
No. 8	51
No. 16	169
No. 30	120

No. 50	208
No. 100	151
No. 200	143
Pan	155

Pumping Method: Hose Dia. & Lengths used (one) 50' L x 1 1/4" I.D.
Recirculated through hose, recorded pressures at various flow rates.

Observations: *PM= Planicrete PM, batch was lumpy looking with 1/8" aggregate visible.
Mixed and pumped good with the *PM, was not pumpable when mixed with water only, Does not pump without PM very high pressures over 250 PSI.

Results: ChemGrout rates the pumpability of this product as "Good" with a rating of "B-".
ChemGrout recommends using a CG030 or above to pump this product.

Mapei Planicem 53