Material Testing Results

Date: Oct 12, 2020
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Manufacturer: SpexCrete
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Lot #: 090120

Material: SpexCrete 400

Material Application: Lightweight Underlayment

Mfg. Plant: Westlake, OH
Std. Bag Weight: 44 #

Testing Conditions:
Outside Temperature: 66°F
Humidity: 84%

Equipment Used:
Model: CG570
Mixer: Paddle
Pump: 2TJ6 Progressing Cavity
Power: Hydraulic

Water Temp: 67 °F

Batching Method:
Quantity Material: 51 lbs.
Quantity Water: 22.24 lbs

Mixing Time:
240 Seconds

Batch Temp: 74.6 °F

Specific Gravity:
SG = n/a

Flow Cone: n/a Seconds

Pumping Method: Recirculated through hose, recorded pressures at various flow rates.

Flow Rate/Pressure:

<table>
<thead>
<tr>
<th>Flow Rate/Pressure</th>
<th>Flow Rate</th>
<th>Pressure</th>
<th>Flow Rate</th>
<th>Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hose (1 1/4&quot; x 50')</td>
<td>3.44 GPM</td>
<td>2 PSI</td>
<td>2.45 GPM</td>
<td>1 PSI</td>
</tr>
<tr>
<td>Hose ( )</td>
<td>6.40 GPM</td>
<td>3 PSI</td>
<td>4.8 GPM</td>
<td>2 PSI</td>
</tr>
<tr>
<td>Hose ( )</td>
<td>9.57 GPM</td>
<td>4 PSI</td>
<td>7.3 GPM</td>
<td>3 PSI</td>
</tr>
<tr>
<td>Hose ( )</td>
<td>13.33 GPM</td>
<td>5 PSI</td>
<td>10.3 GPM</td>
<td>4 PSI</td>
</tr>
<tr>
<td>Hose ( )</td>
<td>15.86 GPM</td>
<td>6 PSI</td>
<td>12 GPM</td>
<td>5 PSI</td>
</tr>
<tr>
<td>Hose ( )</td>
<td>19.73 GPM</td>
<td>12 PSI</td>
<td>15.5 GPM</td>
<td>6 PSI</td>
</tr>
<tr>
<td>Hose ( )</td>
<td>25.02 GPM</td>
<td>20 PSI</td>
<td>20 GPM</td>
<td>7 PSI</td>
</tr>
</tbody>
</table>

Observations:
Mixed & pumped with low hydraulic pressures, pump really easy
Small foam pellets ~2 mm, mixed in okay, floated during clean-up
Estimate maximum pumping distance over 300 feet

Results:
ChemGrout rates the pumpability of this product as a "9" out of 10, with
10 being the easiest. ChemGrout recommends the CG 050 pump or higher.