Case Study: The Point, Boston MA

Comparison of LATICRETE SUPERCAP System vs. Barrel Mix & Pour
**Project Scope:**
- The Point - Residential Tower, Boston, MA
- Overall Project – 375,000 SF
- 34 Floors @ Approx. 11,000 SF per floor
- Existing 5/8” to 1” deflection to be corrected to 1/8” in 10’ flatness for wood floors

**The Problem:**
- Concrete deflection of 1” (avg.) in the lower floors of a newly constructed building
- Need to deliver a flat floor to ¼” in 10’ requirement for LVT floors
- Need to keep the project on schedule

**Goals:**
- Fix the deflection and provide a perfectly flat floor
- Provide a fast and cost effective solution
- Jobsite safety and proper worker health conditions were mandated

**The Challenge:**
Allegheny Contract Flooring recommended to test a side-by-side comparison using two different self-leveling underlayment installation methods

The General Contractor selected 2 specific, identical 11,000 SF floor plates:
- **Floor 4:** Installed with 50lb bags of premium self-leveling underlayment loaded into the building on pallets and delivered through a traditional barrel mixing system.
- **Floor 5:** Installed with the LATICRETE SUPERCAP System, using 2,300lb supersacks of premium material mixed outside the building in a mobile blending unit and pumped through a hose into the building.

Source: Allegheny Contract Flooring - 04/2017
Time & Materials Comparison

SUPERCAP completed the floor in 50% less time and at 30% lower cost.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Days</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>128</td>
<td>3</td>
<td>$38,500</td>
</tr>
<tr>
<td>264</td>
<td>8</td>
<td>$53,667</td>
</tr>
</tbody>
</table>

Source: Allegheny Contract Flooring - 04/2017
**Results**

*SUPERCAP saves time, money & hassle.*

<table>
<thead>
<tr>
<th></th>
<th>Traditional Barrel Pour</th>
<th>SUPERCAP Mobile Blending Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Quantity (Materials)</strong></td>
<td>652 x 50lb. Bags</td>
<td>22 Supersacks</td>
</tr>
<tr>
<td><strong>Loading Materials in Building</strong></td>
<td>16 Hours</td>
<td>0 Hours</td>
</tr>
<tr>
<td><strong>Need Freight Elevator Time</strong></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>Removal of Bag Waste from Building</strong></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>2017 OSHA Respirable Silica Dust Compliant</strong></td>
<td>N/A</td>
<td>Yes</td>
</tr>
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