



SUPERCAP[®]

The Next Generation Slab[®]

PROJECT SPOTLIGHT



Photo credit: Karin Hansen

BOSTON CHILDREN'S MUSEUM

LOCATION
Boston, MA

OWNER
Boston Children's Museum
Boston, MA

GENERAL CONTRACTOR
Allegheny Contract Flooring, Inc.
Winchester, MA

ARCHITECT
Wessling Architects
Quincy, MA

BOSTON CHILDREN'S MUSEUM



Boston Children's Museum is the second oldest children's museum in the world. Located on the historic Fort Point Channel, the 100+ year old structure faces challenges of age and moisture. These challenges were at the forefront of the Museum staff's mind when they decided to renovate and replace floors in their lobby and under an exhibit called Peep and the Big Wide World.

The Museum contracted with Allegheny Contract Flooring (ACF) to complete this job in record time. ACF overcame the job's challenges through expert work and the use of the LATICRETE® SUPERCAP® System.

The facility's age was ACF's first concern. The Museum's flooring system included an existing tongue and groove subfloor that needed to be re-fastened as necessary to ensure all planks were suitably attached to the structure below.

"This is an old mill building, and the floor dipped about four inches in parts and had a one-inch crown in center," said Chris Hand, ACF Vice President of Surface Preparation Division.

The problem of moisture was just as pressing. The Peep exhibit is messy. "This particular exhibit has two water tanks used by children for water play activities and just happens to be above our theater where all of our state

of the art equipment is located so it was extremely important to have a waterproof floor system," said Boston Children's Museum Facilities Director, Marissa D. Lava.

ACF turned to LATICRETE SUPERCAP for a solution. "We knew the wood floor was old and there was a fear of deflection," said Tim McGovern, ACF Account Manager. "We also knew that LATICRETE would be able to assist us with a plan, and help us out."

To get the job done right, ACF went to work with LATICRETE SUPERCAP Technical Sales Representative, Peter McKeon, to devise a plan to fit the project's conditions and tight timeline.

The plan called for the use of the LATICRETE SUPERCAP SC500 system, a pumpable and pourable, low alkali cement-based, premium self-leveling underlayment.

The team was able to prime and pour the LATICRETE SUPERCAP SC500 over the entire project area.

In the Peep exhibit, flooring around the drains had to be slightly depressed to allow for a mild pitch around the drain body. LATICRETE® NXT™ Patch was used to pitch to the surface to the drain. NXT Patch is a premium quality, fast-drying underlayment patch designed for use over most substrates.



It's a cement-based formula that is excellent for deep fills from 1/4" – 1-1/2-inch per lift.

9235 Waterproofing membrane was installed over the entire surface. Then, a skim coat was applied to the waterproofing using LATICRETE® 254 Platinum thin-set adhesive.

Finally, the finished rubber flooring was installed as specified.

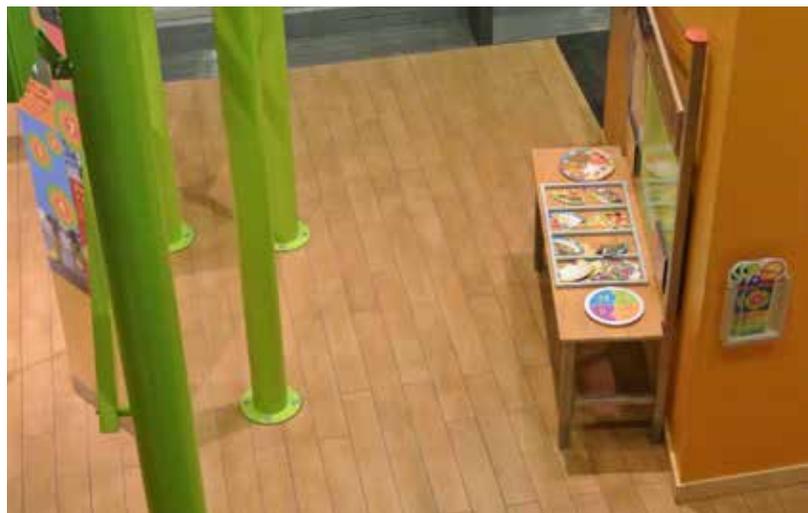
According to Ms. Lava, "Peter McKeon was on site and was a great resource for the Museum and ACF". Aside for the tight timeframe, ACF also had to battle the elements of cold weather and snowy conditions. "It didn't help matters that it was two degrees outside, and we had about three hours to pump the SUPERCAP underlayment onto the floor," said Hand.

When the LATICRETE SUPERCAP pump truck pulled in, the waterline was connected inside the building.

Pumping began at 7 a.m. and finished by 8 a.m. After clean up, the LATICRETE SUPERCAP truck pulled away by 9:30 a.m. There was no intrusion to the Museum, according to Hand.

"This is what sets us apart from the others in the industry," said Hand. "The fact that we used the LATICRETE SUPERCAP System meant no materials had to be delivered into the building. We pumped from the street level. That really saved us time and allowed the Museum to keep to their schedule."

The LATICRETE SUPERCAP System continues to be a time-saving, cost-effective method for finishing new concrete or capping existing slabs. This proven lean tool provides benefits right from the start of concrete placement in division three and flows through to division nine.





SUPERCAP[®]

The Next Generation Slab[®]

LATICRETE SUPERCAP, LLC
One LATICRETE Park North
Bethany, CT 06524-3423 USA
1.866.704.2247
+1.203.393.0010

www.laticretesupercap.com