

STONHARD® | PROJECT PROFILE

From Wear to Wow, Striking, Self-Leveling Floor Transforms Children's Museum

Products Used: Liquid Elements® Reflect®, Stonproof® CT5, Stonclad® GS, Stonkote® GS4, Stonseal® CF7
Application Area: Activity rooms, Corridors



PROBLEM

The Bucks County Children's Museum in New Hope, Pennsylvania, offers interactive, educational experiences for young children. After 13 years of heavy foot traffic, the museum decided it was time to replace its worn-out floors. The painted and stained concrete surfaces had suffered extensive cracking, including dynamic cracks, and water damage that left the 2,000 sq. ft. space unsightly and difficult to maintain. With the help of a state improvement grant, the museum turned to Stonhard for a durable and visually-appealing solution.

SOLUTION

Museum staff desired a floor that would resolve cracking and water issues while enhancing the creative atmosphere of their exhibits and activity area. After reviewing numerous sample boards with Stonhard, they chose Reflect, an artistic poured floor by Stonhard's luxury brand Liquid Elements. The custom blue color along with its fluid design was inspired by the museum's on-site "Airways to Waterways" attraction and sets a soothing tone inviting children to connect with their environment through play.

Stonhard installers began by removing glue and paint from the existing substrate and implementing necessary remediation steps to ensure long-term durability. Cracks were addressed with Stonproof CT5 epoxy membrane to prevent movement, and the floor was leveled with Stonclad GS epoxy mortar system. The Reflect floor was then installed using a specialized technique with denatured alcohol to create a flowing, hammered effect. Two applications of Stonseal CF7 polyurethane coating offered a matte finish, slip resistance, and an easy-to-clean surface.

"We've dealt with a lot of contractors over 13 years and Stonhard really stands out because they are just so dedicated to professionalism and craftsmanship," said Kelly Krumenacker, Executive Director. "The kids were wowed! They thought it looked like water."

DESIGN ELEMENTS

Custom Color
Matte Finish
Hammered Effect

OUR CERTIFICATIONS & MEMBERSHIPS

Stonhard is a member of the U.S. Green Building Council and is on the Manufacturer Advisory Panel for the HPD Collaborative. Stonhard carries both an ISO 9001 quality system certification and a 45001 Health & Safety certificate. Stonhard is committed to transparency and is listed with mindful MATERIALS (mM).

THE STONHARD DIFFERENCE

Stonhard is the unprecedented world leader in manufacturing and installing high-performance seamless, resinous floor, wall, and lining systems. With more than a century of experience, Stonhard provides its customers with a single-source warranty covering both products and installation.



