

CASE STUDY

Project Name

Academy of the Pacific Rim Charter Public School – Hyde Park, MA

Tile Contractor

Capital Carpet & Flooring Specialists – Wilmington, MA

General Contractor

Northern Contracting Corp. – Canton, MA

Architect Flansburgh Architects – Boston, MA

Featured ARDEX Products

- ARDEX X 77™ MICROTEC Fiber Reinforced Tile and Stone Mortar
- ARDEX UI 720™ FLEXBONE® Floating Uncoupling Membrane
- ARDEX WA™ High Performance, 100% Solids Epoxy Grout and Adhesive

Challenge

- 2-week, fast track schedule
- 3,800 square feet installation of plank tile
- Complete system warranty required

Situation

Academy of the Pacific Rim Charter Public School needed to open the 2017-2018 school year with renovations to the main entrance hall completed. The existing subfloor was gypsum-based with a high gloss finish and was cracked throughout the entire 3,800 sq. ft. floor. Budgetary and time constraints required a solution that would finish the job within 2 weeks, while providing a complete system warranty.

Solution

ARDEX Manufactured Sales Representative Barry Cullen was attending a jobsite meeting at the Pacific Rim Charter Public School focusing on the gypsum subfloor. After hearing the concerns that would be involved in bonding to the cracked floor, Barry, along with ARDEX Sales Professional Dean Cavicchi and ARDEX Technical Manager for Tile and Stone Installation Systems Mark Pennine met at the job site. Together the group outlined a systems approach that would not require the gypsum subfloor to be replaced, and utilize ARDEX' revolutionary, first and only, unbonded uncoupling membrane!

ARDEX UI 720™ FLEXBONE® Floating Uncoupling Membrane was selected as the perfect fit to the projects' quick completion timeframe while dealing with the cracked gypsum. Simply rolled right over damage subfloors, ARDEX UI 720 FLEXBONE delivers up to 50% time and cost savings while eliminating most of the subfloor prep normally required for installing tile. Rated for light commercial use, ARDEX UI 720 would allow the new tile floor covering to withstand the foot traffic of a high school common area.

Setting hundreds of 30" x 6" plank tiles would require an easy to use mortar for the fast installation period. This is where ARDEX X 77™ MICROTEC Fiber Reinforced Tile and Stone Mortar, with its super creamy and easy to trowel consistency, would shine! A true 60-minute open time with outstanding strength and flexibility make ARDEX X 77 the perfect mortar for the most difficult installations.

Capping off the installation would require a durable and stain resistant grout. ARDEX WA™ High Performance, 100% Solids Epoxy Grout and Adhesive in Ocean Gray was selected due to its' industrial-use durability, while being creamy and smooth for installation. Cleaning off with only water also made ARDEX WA an easy choice, as "WA was the easiest epoxy grout we've ever used and especially to clean", said AJ Marciano, Tile Mechanic at Capital Carpet.

The project was completed on schedule and left Capital Carpet & Flooring Specialists amazed with the performance of the ARDEX complete system warranty, and especially with ARDEX WA! "I can't believe there is no sag in the joint with the WA Epoxy Grout," said Sal Marciano, Superintendent at Capital Carpet.



Academy of the Pacific Rim Charter Public School
Hyde Park, MA



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