

CASE STUDY

REVIVING A 77-YEAR-OLD TERRAZZO FLOOR



AT A GLANCE

Challenges

- Slippery, dull, dirty, and stained
- Difficult to clean

Solution

- MC Epoxy
- Ultra HTS Urethane
- Added aggregate to enhance slip resistance

OVERVIEW

Originally installed in 1948, the terrazzo flooring at the hydroelectric site in Tennessee had undergone routine strip-and-wax maintenance for the past several decades. In the locker rooms, unsightly carborundum tape was applied to the floors because slip resistance was a concern. However, the tape proved difficult to clean and lacked aesthetic appeal. The buildup of acrylic finish was grayed out and dull. The client searched for an experienced contractor to restore the cementitious terrazzo floors to their original beauty and solve the slip resistance problem in both the men's and women's locker rooms.

SOLUTION

The floors had accumulated over 40 layers of acrylic finish which needed to be stripped off. Nick Blakenship, with Titan Exterior Surfaces, brought in heavy-duty grinding equipment to remove all the existing finish. Titan applied a thin coat of MC Epoxy to prime the floor and fill in some of the pores. To improve safety in the shower areas, a coat of Ultra HTS urethane was applied to enhance slip resistance without compromising the floor's appearance. Nick said, "The Ultra Terrazzo system provided by Ultra Durable Technologies flowed seamlessly and delivered excellent results. We're extremely pleased with the outcome of this project."

OUTCOME

The restoration of the 77-year-old terrazzo floor exceeded all expectations. The lead architect stated, "I'm amazed at how incredible the floor looks. It turned out far better than anticipated. What was once a dull gray surface has been revived into a rich red terrazzo that looks brand new." The custodial team also praised the transformation, noting how much easier it is to clean soap scum and dirt from the surface. Nick added, "There are many facilities from the 1940s, 1950s, and 1960s that need similar restoration. We plan to use this same system at each site moving forward."



Before



"The Ultra Terrazzo system flowed seamlessly and delivered excellent results."

Nick Blakenship
Titan Exterior Services



Before



After



After


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