



SIKA AT WORK

SYDNEY FISH MARKETS, AUSTRALIA

FLOORING: Sikafloor® PurCem® HB-21

BUILDING TRUST



PROJECT OVERVIEW & REQUIREMENTS

PROJECT DESCRIPTION

The Fish Market, situated on the edge of Blackwattle Bay in the inner city suburb of Pyrmont has been an Australian institution since 1945. The market is the largest of its type in the Southern Hemisphere and is among the largest in the world with 50 tones of seafood being auctioned on the trading floor each day. The floor, which is constantly wet, has to withstand constant, loaded fork lift traffic, crates and pallets full with seafood being continuously dragged across the trading floor as well as an incredible amount of constant foot traffic, all on a daily basis.

After many years of installing a variety of protective floors with varying results, the condition of the floor was rapidly deteriorating and failing in a number of areas. The owner of Sydney Fish Market Pty Ltd saw the need to make upgrades to the entire facility including the important refurbishment of all of the floors considered to be of food grade standard.

A key condition was that the floor had to be demolished, prepared, regraded then laid in stages whilst the market was in live trade. This required immense planning between all parties as well employing methods of preparation such a hydro blasting to ensure no airborne dust particles were generated at all.

PROJECT REQUIREMENTS

The project required the new floor to meet food grade standards, withstand heavy foot and forklift traffic, while being able tolerate excess water on its surface. As an added challenge, the floor had to be demolished, prepared, regraded and laid in stages while the market continued to trade. This meant a flooring solution that provided minimal disruptions to trade and by having the ability to be laid in sections was required.

To ensure a pleasant customer experience during trade and no tainting of the fish products during contact with the floor, a low odor flooring product was required and given that the floor refurbishment formed part of a larger and more complex overall facility upgrade, installing said solution to meet project budgets and time lines was also critical.



SIKA'S COMPLETE FLOORING SOLUTION

SIKA SOLUTION

Constructor, Buildcorp was engaged to project manage and oversee the construction. They recognized this was a once in 20 year opportunity to comprehensively upgrade the failing floors, and so embarked on an exhaustive process of evaluation to find a floor with proven history in the Food industry world wide that would stand the test of time in their environment.

Danlaid Contracting Sydney, along with Sika Australia proposed Sikafloor® PurCem® HS-21 to the client. The client was satisfied that Danlaid and Sika could deliver a quality outcome using an experienced industrial flooring contractor.

This very demanding project was successfully completed by Danlaid Contracting Sydney within the set time frame and while conforming to the site constraints and without any disruption to the markets busy trading hours.

The floor was hydro demolished to depths of up to 50 millimeters to provide a sound substrate on which to re-build. The floor was then re-graded to create positive falls for water displacement before an epoxy sub-fill mortar was used to recreate the levels. Sikafloor® PurCem® HS-21, a low VOC water-based polyurethane screed, was selected to finish the floor. Certified for the food industry, it is slip resistant, heat resistant and is easy to maintain and clean and is particularly suited to food and beverage processing plants, wet or dry process areas, freezers, coolers and thermal shock areas.

Matt Dial, Director of Danlaid Contracting Sydney, acknowledged that, due to a number of influencing factors including time constraints and environmental conditions, this particular installation was as difficult as any in the food Industry however he was completely satisfied with the end result that will provide the client with years of continued service without the need for repair or re-application.





PROJECT PARTICIPANTS

Date: July 2013
 Location: Pyrmont, Sydney, New South Wales
 Contractors: Danlaid Contracting
 Project Manager: Buildcorp
 Sika Representatives: Anthony Lewis and Simon Wilson

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