

CENTRAL FISH MARKET FLOORING PROJECT – SRI LANKA

(CASE STUDY)

Introduction

The Pelayagoda Central Fish Market is an ADB financed RS. 1500mm (US\$14 Million) government facility completed in August 2010 for the Sri Lanka Ministry of Fisheries.



The facility was developed to centralize all fresh seafood sales. The general contractor is ICC (International Construction Consortium), a subsidiary of FINCO group, which has been Rhino's main competitor in the protective coatings market of Sri Lanka. Of the hundreds of sub-contractors who participated in this construction project, only one was specified by the Ministry of Fisheries: RHINO LININGS SRI LANKA, which was requested to coat all floors and gutters of the retail and wholesale buildings, due to the superior protection required against the corrosive effects of fish waste.

Location & Extent

The facility is located on the border of Colombo and covers an area of 5 Acres. The facility includes 148 stalls for seafood wholesale & export, 128 stalls for retailing, an ice plant, administrative area, parking lots and a water treatment plant.

Rhino Linings Sri Lanka was retained to undertake flooring for the following:

1. Wholesale & Retail fish selling areas (5200 M2) – Rhino Chem 2mm + Top Coat Cream color.
2. Customer Corridors – Armafloor with sky blue color (3000 M2). (two base coat + Pepper frost + two final coat)
3. Service Corridors & Loading bays (2500 M2) – (two base coat + pepper frost + two final coat).



Preparation work:

RHINO CHEM AREA

Floor was rendered by $\frac{3}{4}$ " cement top of the concrete. Use of HGCL for Rhino chem. Water blasted. #150 primer applied. Rhino Chem 2mm sprayed, followed by Cream colour top coat. Also in wholesale market stalls were separated by dark blue top coat paint band and all stalls numbered by black colour top coat.

ARMAFLOOR AREA

Floor was rendered by $\frac{3}{4}$ " cement top of the concrete. Whole area was grinded and water blasted. Armafloor basecoat applied once, and kept for curing for 4 hours, then 2nd base coat applied with grey colour pigment while using pepper frost. Next day final two coats applied with grey colour pigment.



Challenges

This is the largest Rhino project to date in Sri Lanka. Large surface area but very detailed work required due to separations of areas by hallways, walls and gutters. We had to integrate Rhino Chem with Armafloor at regular intervals.



The Rhino application was originally planned to complete within 30 days, but due to continual disturbances from other contractors it took 8 months to complete. We faced a lot of dust while working due to road construction and other contractors simultaneously working on the same areas. The extra 7 months overhead added at least AUS \$ 15,000 to the project cost.

Technical Support

Mark Teakle, Managing director of RLA personally assisted with securing the tender by visiting the client and general contractor. He continued to provide support by phone and email throughout the project. Frank & Dennis also provided technical support for day to day challenges with great responsiveness. Donna & Peta and Matt McCathy all were extremely helpful during the project.

Final Result



Wholesale area walkways (Armafloor) and seafood platforms (RhinoChem)



Retail area walkway (Armafloor) & seafood sales stalls (RhinoChem)

Our Technicians

We are proud of our local team members for professionally handling such a large project with casual laborers. Ransika, our project manager, coordinated well between the client, the technical staff and Rhino office. Samanthi, our office manager, coordinated activities and organized logistics. The efforts of our team members working together resulted in a successful project, with a happy customer and a flagship flooring demonstration for Rhino, which has caught the attention of other government contractors and developers.



The success of this project is due to Good Team Work by all.