



SIKA AT WORK

Floor protection system for dock

FLOORING: Sikafloor®-81 EpoCem®, Sikafloor®-375, Sikafloor®-359N

BUILDING TRUST



DOCK FLOOR PROTECTION SYSTEM



PROJECT DESCRIPTION

The marina offers high level services to large yachts and sea cruisers. The marina area includes terrestrial spaces with internal road system (markings, traffic islands, e.t.c.) and piers of a total area of about 3.000m². For all these flooring areas, there was a requirement for application of a protective system.

APPLICATION DEMANDS

A key requirement was to create a floor for the external traffic areas with high abrasion resistance, weatherproof and long term resistant against sunlight and coastal environment. Furthermore, the floor protection system proposal should meet the aesthetic requirements of an area that offers high quality services.

Finally, the possibility of color selection was necessary for the needs of lining the circulation roads.

SIKA SOLUTION

For all these requirements a **Sika** floor protection system was selected that included primer, substrate moisture control layer, self-leveling coating, elastic coating and a top coat.

The surface was prepared with shot blasting and was thoroughly cleaned. Then the 2-component, water-based resin **Sikafloor®-155 WN** primer was applied. Afterwards, the 3-component, self-levelling, epoxy-cementitious mortar **Sikafloor®-81 EpoCem®** at 2mm thickness was applied, in order to level the substrate and control the substrate's humidity. The epoxy resin **Sikafloor®-161** was applied subsequently and was broadcasted with 0.4-0.8mm quartz sand.

Next step of the system was the application of the elastic polyurethane coating, with high crack-bridging properties **Sikafloor®-375** which was broadcasted with 0.4-0.8mm quartz sand. Finally, the system was sealed with the colored, mat, polyurethane based coating **Sikafloor®-359N**. The colour shades used were RAL 7038, 7040 and 9016 for the linings.

OTHER SIKA SOLUTIONS IN THE PROJECT

Joint sealing: **Sikaflex® Pro-3** with primer **Sika® Primer-3 N** and backing rod **Sika® Backing Rod**.

PROJECT PARTICIPANTS

Flooring Contractor: **POLYCOAT Ltd**

Our most current General Sales Terms shall apply.

Please consult the most recent Product Data Sheets prior to any use and processing.



Sika Hellas ABEE
15 Protomagias Str.
145 68, Kryoneri
Athens-Greece

Contact

Tel: +30 210 8160600
Fax: +30 210 8160606
www.sika.gr / sika@gr.sika.com

BUILDING TRUST

