



SIKA AT WORK

SHELL OIL TERMINAL (LOBP)

SELF-SMOOTHING FLOORING SOLUTIONS

BUILDING TRUST



SHELL OIL TERMINAL (LOBP)

CLEAN & HYGIENIC FLOORING

Project:

Shell is a global group of energy and petrochemical companies. In Pakistan, Shell is the second largest OMC in the country. Shell Pakistan Limited (SPL) continues to meet the energy needs of the country by serving over a million customers across the country every day. Shell's Business structure is organized into Upstream & Downstream Operations. In order to ensure smooth flow of business operations Shell has its Oil terminals in different locations of Pakistan. However, Shell Oil Terminal Keamari, Karachi is the only location in Pakistan where shell can take delivery of Oil products through tanker transports.

Project Requirements:

As one of the oldest multinational companies in the country, Shell has been a partner in the region's growth and development for over a century. Sika contributed by providing its global expertise at different stages of the project. This project required self-leveling floors of 2mm thickness for a Clean & healthy environment. Epoxy Flooring was demanded by the Client at a Total area of 19,300 sq. feet which was segregated into two areas due to Oil Contamination at one area. Epoxy screeds were also demanded by the client before flooring for the areas with Oil Contamination. Since, the concrete or screed substrate has to be primed or leveled in order to achieve an even surface so; primer coats were demanded by the Client for priming of screed. Lastly, aggregates were required by the client for increasing the thickness of the flooring.

Sika Solution:

Sika offered its recognized flooring solutions being the Epoxy flooring specialists globally. Following solutions were recommended for this project. Sikafloor 263 SL Self-Leveling floors were recommended for a clean & hygienic environment. Sikafloor 263-SL is a two part, economic, multi-purpose binder based on epoxy resin. It's a Self-smoothing and broadcast system for concrete and cement screeds with normal up to medium heavy wear e.g. storage and assembly halls, maintenance. 8000 sq. Feet area out of total 19,300 sq. Feet was contaminated by Oil. In order to get rid of this existing oil on the surface Sikagard-720 EpoCem Epoxy screed was recommended which is a three part, epoxy modified cementitious, thixotropic, fine textured mortar for leveling and finishing of concrete & mortar.



Sikagard 720 EpoCem is used as a leveling layer over concrete and mortars in 0.5 - 3 mm on vertical or horizontal surfaces, in new works or repairs. Beside this, Sikafloor-161 primer was used which is an economic, two part, solvent free, low viscosity epoxy resin. It is used for priming of concrete substrates, cement screeds and epoxy mortars and also, for Sikafloor-263 SL and Sikafloor-264 economic flooring systems. Lastly, for the purpose of increasing thickness of the floor Sikadur-506 an aggregate was recommended. Sika Aggregate 506 is scattered liberally over Sikafloors at a uniform rate to achieve a coarsely textured non-slip surface once the sealer coat has been applied. Sika® Aggregates have been specifically developed for compatible use with a range of Sika products to provide a selection of non-skid surfaces that will help promote safety in the work place.



Shell Oil Terminal; Keamari Karachi

Project Name: Shell Oil Terminal(LOBP)
Project Owner: Shell Private Limited(SPL)
Consultant: Shell Private Limited(SPL)
Contractor: Al-Tariq Group of
Companies(ATL)

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