



Military Hospital Rawalpindi, Pakistan

Self-leveling for Floors

Sikafloor 161

Sikafloor 263 SL

Sikadur 504

BUILDING TRUST



Military Hospital, Rawalpindi, Pakistan Epoxy Flooring of Military Hospital with Sika Products

Project:

Military Hospital (MH) located in the city of Rawalpindi is the largest hospital of Pak Armed Forces holding an ISO certification. The MH management is quality conscious. This is clear from newly constructed operation theaters at the hospital where it was required from the Consultant and Contractor to pursue flooring solution which could ensure high hygiene and antibacterial environment in accordance with Cleanroom Suitable Material (CSM) perspective. Previously the flooring was designed with vinyl flooring, and old technology. The project flooring started in September 2013 and was completed by end October 2013.

Project Requirements:

The project required biological resistance flooring (antibacterial and fungal resistance) system to be applied at the operation theaters of Military Hospital with an approximate area of 51000 Sft.

To meet the standard criterion, Sika proposed a self-leveling epoxy flooring system which is joint less and has properties of reducing the chances of bacteria from being accumulated. Tests were performed in accordance with CSM procedures: measurement of particle emission (dust free) from material when subjected to friction and measurement of biological resistance. The tests proved to be successful and Sika floor 263 SL was approved; the solution suitable to provide clean room environment with controlled level of contamination.

Sika Solution:

Sika, has developed advance flooring systems for clean room environment. The flooring solution offered to the client not only fulfilled their antibacterial and hygiene

requirement but also ensured highly fillable, slip resistant and more aesthetically appealing floor than vinyl. The solution has been tested to ensure clean room environmental accordance with the international standard ISO 14644-part 1.

Sika Products proposed by the Sika Sales Team include:

- **Sikafloor 161**, a 2-part epoxy primer, leveling mortar, intermediate layer and mortar screed with good penetration and excellent bonding strength.
- **Sikafloor-263 SL**, a two part, economic, multi purpose binder based on epoxy resin which is self-smoothing, suitable for use under hot climate condition.
- **Sikadur 504**, selected quartz sand grading for special flooring applications

Alongside the hygiene environment advantage, following properties were also achieved:

- Good Chemical and Mechanical resistance
- Easy application
- Economy
- Gloss finish
- Liquid proof, Solvent free and Slip resistant surface

Project Name:
Project Owner:
Consultant:
Contractor:

Military Hospital
Defence Complex Islamabad
Qasim Associates
Universal Corporation Pvt. Ltd.
Shahid Builders

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