



Nestle Sheikhupura, Pakistan

HOD and Agron Powder Plant Building

Sikafloor 21N PurCem ME

Sika Rainguard

Sikadur 42 MP Slow

Sikadur 32

Sika Floor 161

Sikagard 63 N

Sikaflex PRO 2 HP

BUILDING TRUST



Nestle Sheikhupura, Pakistan ---with Sika Chemicals

Project:

The newly constructed state of the art, Nestle Building at Sheikhupura, Pakistan required top quality and exceptional hygiene standards to comply with the norms and principles of Nestle's management. The project mainly comprised construction at the HOD Bulk Water Treatment and Filling Plant and Agron Powder Plant.

Project Requirements:

The HOD Plant facility is a wet area with a requirement of Slip and Water resistance for light and moderate traffic. The floor was originally designed with Acid Resistant Tiles. The un-hygiene factor of tile grooves created the need for a better solution. Also, as the roof was structured in shell roof form, therefore flexible waterproofing solution was required for an area of 800 Sqm.

The requirement at Agron Powder Plant included grouting of machine foundations and sealing of expansion joints. Also the wastewater manholes were to be coated with protective coating to ensure hygiene prevalence.

Sika Solution:

Sika Sales Team approached Nestle Engineering Department to meet the hygiene requirement, as well as factors including resistance against exposure to acid and water and light to medium traffic at the floor. The solution recommended for flooring at HOD Plant was **Sikafloor 21N PurCem ME** at 6mm thickness, having the certification from **Fraunhofer IPA** for Clean Room Suitable materials, it fulfilled the needs of hygiene, traffic and exposure to acid

and water. Double scratch coat was applied with **Sikafloor 21N PurCem** to completely seal the surface and then self leveling coat at 4 mm was laid to finish the job. The floor joints were sealed with Epoxy mortar, **Sikafloor 161**.

Sika Rainguard, a flexible, liquid applied, single component, ultra violet rays and weather resistant, acrylic waterproofing membrane was recommended for flexible waterproofing which replaced the traditional bituminous waterproofing solution already recommended by competition at the HOD plant.

Following the completion of flooring job at HOD plant, Sika provided solutions at Agron Powder Plant including:

- **Sikagard 63 N**, a solvent free two part epoxy resin coating for the internal protective coating of wastewater manholes.
- **Sikadur 42 MP Slow**, a moisture tolerant grouting system for grouting of machine foundations.
- **Sikaflex PRO 2 HP**, a soft elastic polyurethane sealant for sealing of expansion joints.
- **Sikadur 32**, an epoxy resin bonding agent for bonding of cementitious mortar with steel plates.

Project Name:

Nestle Sheikhupura

Project Owner:

Nestle Pakistan Limited

Consultant:

Progressive Consultants

Contractor:

Fareed & Co.

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