

Sika at Work

Sarnafil® Single Ply Roofing at Al Kabeer, Mumbai

A Case Study



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Sarnafil® Single Ply at Al Kabeer

Project

The new, state of the art production unit of Al Kabeer is located in Gowandi, Mumbai. The food processed in the new unit will be mostly exported to the Middle East

Project Requirements

The roof area of the project spans over seom 2400 m². The client opted for Sika® Sarnafil single ply roofing system because of the speed of installation and the durability (proven by actual installed roofs all over the world) which is in excess of the expected lifespan of the structure. Obviously, 100% watertightness to protect moisture sensitive equipment installed under the roof also was a major decision criteria in favour of the Sika® Sarnafil single ply roofing system.

Sika Solution

A Sika® Sarnafil PVC membrane system was installed directly onto the concrete substrate (no thermal insulation). On the horizontal area, the PVC membrane is mechanically spot-fastened and cushioned with a geo textile. On the up stands, the PVC membrane is fully adhered.

Sika Products

- **Sarnafil® S-327 12L**, 1.2 mm thick PVC membrane with polyester scrim reinforcement (horizontal areas, mechanically fastened)
- **Sarnafelt® 300**; 300 gsm geo textile protection sheet
- **Sarnafil® G-410 12L**, 1.2 mm thick PVC membrane with glass fibre mesh reinforcement (up stands / detailing, fully adhered)
- **Sarnacol-606**, adhesive for up stands / detailing
- **System Details**, such as fasteners, washers, U-bars, termination bars, welding cords etc.

Project Participants

Client	Al Kabeer Export, Mumbai
Consultant	P. Deshpandey
Contractor	AJ Buildcon
Applicator	Industrial Construction Company, Mumbai



Cleaned concrete substrate.



Pre-cutting of PVC membrane on top of geo textile.



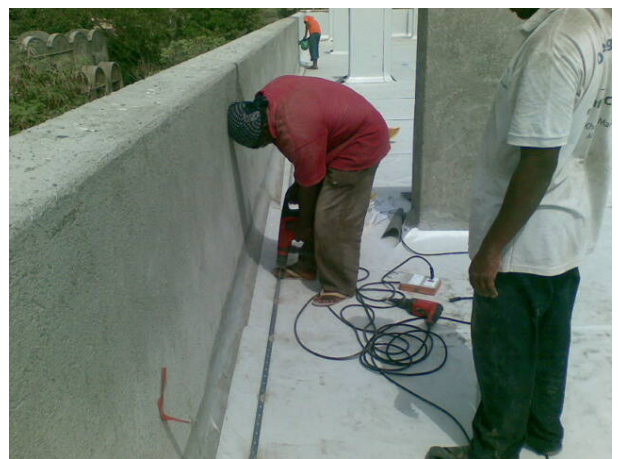
Loosely laid PVC membrane.



Installation of fasteners along membrane overlap.



Spot-fixed membrane overlap prior to welding of membrane cover.



Installation of perimeter U-bar.





Application of the adhesive to the up stand.



Application of the adhesive to the up stand PVC membrane.



Placement of the up stand PVC membrane.



Welding of the PVC membrane overlaps.



Installation of column cover flap.



Finished roof column detail.

