

PRODUCTS: SEALROOF B-200, SEALROOF A-200, HIGHBUILD S-200

APPLICATION: Waterproofing concrete roof deck

APPLICATOR: LIQUID RUBBER INDUSTRIES SA

CLIENT: Private residence LOCATION: Bedfordview, Johannesburg

PROJECT SIZE: 700 M<sup>2</sup> COMPLETION DATE: 2012

**Project Description:** East of Johannesburg, the suburban development of Bedfordview is a high end neighborhood. The region is part of an on-going effort to reinstate this part of Johannesburg to its former cultural and economic glory. The project was a 700 m<sup>2</sup> flat concrete roof of a two storey dwelling.

**Challenge:** Typical temperatures are between 28 °C and 5 °C with rainfall as much as 120 mm per month during winter months. Exposed concrete roofs materials can be damaged. Rainwater leaves behind acids that can cause corrosion and temperature extremes can cause cracking. Prolonged exposure to the sun adds to the building heat load increasing utility costs.

**Liquid Rubber Solution:** A 'fully adhered' membrane system seals completely, locking out water, and an elastomeric membrane moves in response to building settling, and temperature changes, without cracking or tearing. Liquid Rubber Seal Roof B-200 is the membrane of choice. Minor cracks and join areas are sealed using Liquid Rubber HighBuild S-200, then a 0.2-0.3 mm flood coat using the 'part 'A' of Liquid Rubber B-200 is spray applied to the concrete deck filling micro pores in the concrete. Next the flexible instant-set membrane is applied by spraying B-200 in combination with its Inorganic accelerator. A single application in this way builds the required 2mm thick membrane. Once the membrane sets up sufficiently to be walked on, but not fully cured, a top coat of Liquid Rubber A-200, an acrylic heat reflective coating is spray applied.



DECK SEALED WITH SEALROOF B-200



SPRAY APPLIED SEALROOF B-200



SEALROOF A-200 REFLECTIVE COATING

### WATERPROOFING PRODUCTS IN THE SEALROOF LINE INCLUDE:

**SEALROOF B-100**

**SEALROOF B-200**

**SEALROOF A-200**

**HIGHBUILD S-200**

**TROWELGRADE B-400**

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