

PRODUCTS: SEALROOF B-200, HIGHBUILD S-200

APPLICATION: New construction apartment concrete roof deck

APPLICATOR: LIQUID RUBBER INDUSTRIES SA

LOCATION: Morningside, Johannesburg

PROJECT SIZE: 1,300 M<sup>2</sup> COMPLETION DATE: 2012

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**Project Description:** This new apartment complex completed in Morningside features a concrete roof deck and parapet wall construction incorporating a number of skylights.

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**Challenge:** This region typically has high temperatures in summer and high monthly rainfall in winter exposing an unprotected concrete roof to damage from water ingress and thermal cracks. Concrete is composed of several ingredients including calcium carbonate which dissolve with prolonged exposure to water, weakening and eventually destroying the structure. The large number of skylights in the roof structure poses a challenge to ensure all penetrations are sealed and there are no areas where leaks can occur.

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**Liquid Rubber Solution:** Waterproofing flat concrete roof decks is essential. SealRoof B-200 liquid spray applied 'instant set' membranes offer the contractor an easy to apply, fully adhered and seamless membrane that can be applied to complex roof geometries.

Application of a SealRoof B-200 membrane consists of a prime coat of B-200 (elastomer modified bitumen emulsion) at 0.2-0.3mm thickness then, before the prime coat is fully cured, an 'instant-set' spray application of SealRoof B-200 in combination with the inorganic accelerator. The Instant-set B-200 membrane is applied to a cured thickness of 2mm in a single application. In less than 2 days the waterproofing membrane was completed.

Applying a Liquid Rubber SealRoof B-200 membrane provides seamless and fully adhered protection for the concrete surface and forms seamlessly around skylight boxes and other roof penetrations to completely seal against leaks.



### 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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