

RX-PROTADECK



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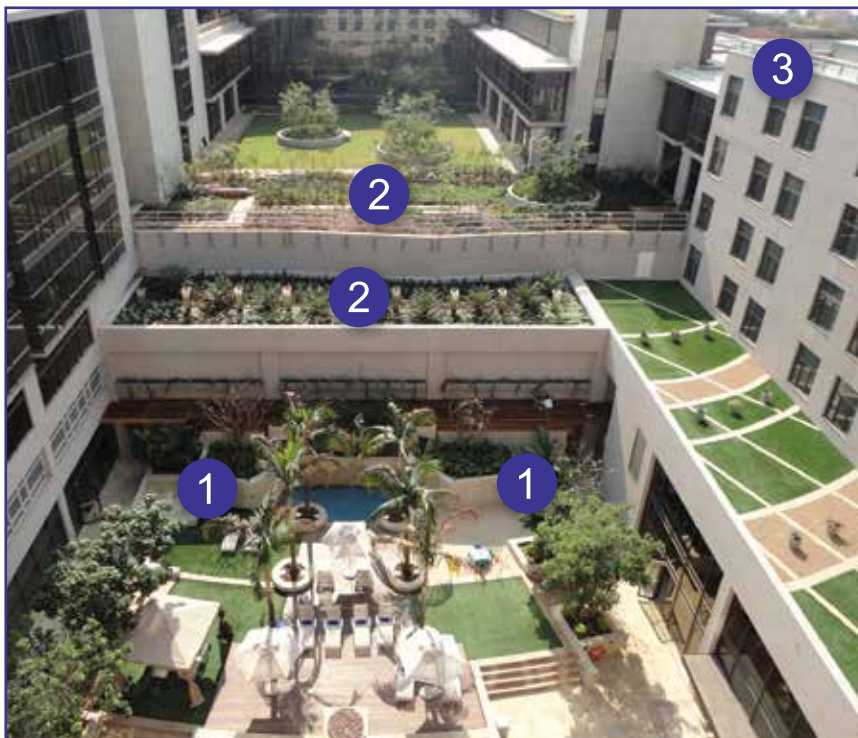
Fast Track Protadeck Waterproofing coatings offer a high-performance, fast track waterproofing system that protects concrete, timber, masonry and steel structures from deterioration by water and chloride ions. It is an applied protective coating membrane and is designed as a water and chemical resistant coating with added abrasion resistance.

RX-Protadeck can be applied to virtually any surface, including horizontal and vertical, to form a tough abrasion resistant membrane that is durable enough to accommodate most normal movement contained within structures of all types.

It is the only high performance waterproofing system that fully matches the demanding requirement for car park decking and critical waterproofing, and can be applied in double quick time!

RX-PROTADECK IN CROSS-SECTION

- A. **Primer** is used to penetrate and seal the substrate, giving a strong, intimate bond between the Deck and the RX-Protadeck.
- B. **RX-Protadeck** is a high performance resin membrane ensuring 100% effective waterproofing.
- C. **Aggregate Wearing Coat** is a durable aggregate which is broad cast to provide a safe, effective, hard-wearing surface.
- D. **The sealer** can be clear or coloured. It encapsulates the aggregate, helping maintain a clean surface and providing an aesthetically pleasing finish.



1. PLANTERS – WATERPROOFED USING RX-PROTADECK AT 1MM.

2. ROOFTOP GARDENS – WATERPROOFED USING RX- PROTADECK AT 1.5MM.

3. FLAT ROOF AREAS – WATERPROOFED USING RX-PROTADECK AT 1MM

SOME OF THE KEY ADVANTAGES OF USING BOTH THE RX-PROTADECK & RX-PROTASEAL SYSTEMS ARE:

- Rapid application and curing – areas can be returned to service in under 20 minutes
- Rapid spray-applied and cure – ideal system for fast track construction and short possession work
- 100% effective waterproofing based on technically advanced products
- Weather tolerant – applied in the widest range of climatic conditions and temperatures enabling all year round flexible programming
- Unsurpassed bond strength – greater cohesive and adhesive bond strength to the substrate is the key to the System's durability
- Lightweight – minimises dead load when compared to mastic asphalt
- Easy to repair – remedial works can be carried out very effectively and quickly at all stages in the life of the system without any problems in terms of bond strength or time consuming preparatory work
- Supported by a 10 year guarantee and is not subject to maintenance
- Can be steam cleaned and decreased
- Long service life - with excellent resistance to ageing, UV, abrasion, weathering, de-icing salts, and chemical attack

TECHNICAL DATA

Physical properties of sprayed Protadeck.

PROPERTY	TEST METHOD	RESULT
Hardness	Shore A	75 – 85
Crack bridging	NFP 98 284-1	>2.5mm@-10°C
Tear strength	ASTM D412	40.0KN/m
Tensile strength	ASTM D412	10 Mpa. ±40
Elongation at break	ASTM D412	380%±40
Abrasion resistance	DIN53516	150mm Max.
Taber abrasion	1000g wt., H22 wheel	125mg/1000 cycles
Pull off adhesion test – dry concrete	BS EN 24624	3.8Mpa
Pull off adhesion test – dry clay paviour	BS EN 24624	2.9Mpa
Pull off adhesion test – steel	BS EN 24624	5.8Mpa
Pull off adhesion test – asphalt	BS EN 24624	2.1Mpa
Not affected by asphalt overlays or thermo plastic lining applied at up to 250°C		

Tensile Testing NFP 98 283

TEMPERATURE (°C)	ELONGATION AT BREAK (%)	TENSILE STRENGTH (MPA)
-10	> 125	> 33
0	180	21.4
10	220	17.8
20	290	9.3



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GUARANTEE

Robex S.A (Pty) Ltd warrants all goods to be free from defects and will replace materials proven to be defective, but makes no warranty as to the appearance of colour. The information and recommendations herein are believed by Robex S.A (Pty) Ltd to be accurate and reliable.