



RX-PROTADECK

The quick-curing, seamless trafficable waterproofing solution.

ROBEX

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What is RX-Protadeck?

Our fast track waterproofing system, offers a high-performance solution 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 substrate, to form a tough abrasion resistant membrane that is durable enough to accommodate most normal movement contained within structures of all types.

Material specification

1. **Primer** is used to penetrate and seal the substrate, giving a strong, intimate bond between the Deck and the RX-Protadeck.
2. **Glass fibre membrane:** Used to aid in facilitating movement & deflection.
3. **RX-Protadeck:** is a 1.8mm high performance resin membrane ensuring 100% effective waterproofing.
4. **Aggregate wearing coat** is a durable aggregate which is broad cast to provide a safe, effective, hard-wearing surface.
5. **The sealer** can be clear or coloured. It encapsulates the aggregate, helping maintain a clean surface and providing an aesthetically pleasing finish.



Example of versatile uses

1. **Planters**
Waterproofed using RX-Protadeck at 1.5mm.
2. **Rooftop gardens**
Waterproofed using RX-Protadeck at 1.5mm.
3. **Flat roof areas**
Waterproofed using RX-Protadeck at 1.5mm

Some of the key advantages of using both the RX-Protadeck & RX-Protaseal systems

- **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 degreased.
- **Long service life** - with excellent resistance to ageing, UV, abrasion, weathering, de-icing salts, and chemical attack.

Technical Data

Physical properties of sprayed RX-Protadeck

Property	Test Method	Result
Hardness	Shore A	75-85
Crack bridging	NFP 98 284-1	>2.5mm@ -10°C
Tear strength	ASTM D4 12	40.0KN/m
Tensile strength	ASTM D4 12	10 Mpa. ±40
Elongation at break	ASTM D4 12	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		

Physical properties of sprayed Protadeck

Temperature (°C)	Elongation at break (%)	Tensile strength (Mpa)
-10	> 125	> 33
0	180	21.4
10	220	17.8
20	290	9.3



Before



During preparation



After

Some of our clients:

SANDTON CITY
Shopping Center



Contact us

Get in touch with our team for any enquiries:

011 896 9600

info@robex.co.za

www.robex.co.za