

TECHFIN HYDRAKOTE

ACRYLIC WATERPROOFING SYSTEM FOR CONCRETE

DESCRIPTION

Techfin Hydrakote is a flexible, elastomeric liquid coating based on acrylic co-polymers which dries to give a durable, protective, highly elastic waterproofing membrane with excellent film build properties and long-lasting UV resistance characteristics. Techfin Hydrakote resists carbonation and prevents chloride ion ingress.

ADVANTAGES

- Easily applied by roller, brush or airless spray to horizontal and vertical substrates.
- Flexible-crack bridging properties
- Protective barrier against salts and atmospheric gases
- Chemical resistant to fuels, sewerage, weak acids and alkalis

- Waterproof – protects concrete from waterborne salts
- UV stable

AREAS OF APPLICATION

- Multi storey car parks
- Underpasses
- Bridge, walk ways, wing walls
- Concrete repairs
- Commercial buildings
- Industrial buildings
- Waterproofing a variety of substrates
- Flat roofs, pitched roofs
- Asbestos cement
- Tiled surfaces
- Lightweight concrete screeds
- Bitumen based coatings
- Timber surfaces

TYPICAL PROPERTIES

Service Temperatures:	5 to 80 °c
Application Temperatures:	+5 to 35 °c
Specific Gravity:	1.2
Dried film Thickness:	±0.8mm at 1m ² / Litre
Coverage:	1-2m ² / Litre depending on surface and application rate
Solvent:	Water
Storage:	Min 1 year in tightly sealed containers. Protect from freezing.
Elongation:	After 1000 hours exposure achieves 137%, in accordance with SABS 182: Non-exposed achieves 497%
Water vapour transmission	45g/m ² per 24 hours - Taywood
Colours	Grey, White

WATCH POINTS

- Techfin Hydrakote is not resistant to rain until it is fully dried.
- Drying time 2-4 hours or more depending upon the weather conditions. Do not apply if it is raining or if rain is threatening.
- Techfin Hydrakote is not resistant to frost until dried and should not be applied to frosted roof materials. Do not apply if the ambient temperature will fall below 5°c on the day of application.
- Do not apply to roofs with falls of less than 1:80 (0,7 degrees angle).
- The product is not suitable for permanent water immersion.

DIRECTIONS FOR USE

- **Techfin Hydrakote** may be applied by brush, squeegee or airless spray equipment.
- Spray equipment should have a nozzle not smaller than 5mm.
- Check the suitability of spray equipment.
- The second (and further coats) should be applied at right angles to the first coat and in one direction only. Care should be taken not to “scrub” the material or brush it out unevenly or too thinly.

PREPARATION

- Important note: No roof coating product can be expected to repair an existing roof which is not structurally sound or stable. Before using a surface coating the roof structure should be inspected and, if necessary, put in order. All cracked, broken, slipped or missing slates, tiles, sheets or other forms of covering should be replaced or refixed and cracks in felt or asphalt filled.
- Safety warnings: Never coat roof lights, windows, glass and translucent sheets.
- Concrete to be coated should be sound, stable and clean, i.e. free from loose debris, dirt, dust, grease and all traces of algae and fungal growth should be removed with a stiff bristle brush. Hairline cracks and defects will be effectively filled and covered by the **Techfin Hydrakote** coating.

PRIMER

- Prime the surface to be treated with **Seal & Strengthen** prior to **Techfin Hydrakote** applications.

APPLICATION

- In every case the first coat should be allowed to dry completely before applying the second. Before applying the second (and, if required, any further coats), the dried film should be inspected for any misses or imperfections which should be made good before continuing.

SHEET METAL ROOF

- A rust inhibitive product should first be applied to the corroded metal surfaces and particular attention should be paid to the bolt fixings where corrosion often begins.
- Apply a full coat of metal etch primer and allow to dry
- Apply **Techfin Hydrakote** in two coats as per application procedures.

POLYESTER MEMBRANE APPLICATION

- Ensure that the surface to be coated is clean and receptive to the product.
- Apply a first coat at $\pm 1.5\text{m}^2$ / Litre and immediately apply the polyester reinforcing membrane into the wet film using a brush charged with **Techfin Hydrakote**.
- Ensure that complete contact is achieved and that no air is trapped beneath the membrane.
- The polyester membranes should be lapped by 50-75mm and the inside of each lap should be coated with **Techfin Hydrakote**.
- Small gaps and differences in levels should be bridged, ensure that the polyester membrane is not pulled too tightly across the gap, so that any movements in the structure will be accommodated.
- When the first coat has dried apply the second coat at right angles to the first.

CLEANING

Wash all tools with water

PACKAGING AND STORAGE

Supplied in 5 and 25L drums. Store in a cool, dry place. Shelf life is 6 months from date of manufacture.