

# ULTRAKOTE

PREMIUM GRADE PROTECTIVE COATINGS

## ULTRABARRIER

Two Pack, 100% Solids, Premium Grade Vehicle and Pedestrian Trafficable Moisture and Hydrostatic Pressure Barrier – Suitable for Application Over Wet and Damp Surfaces.

### BENEFITS / FEATURES

- Approved for use in contact with food and portable water
- Excellent Bond to damp concrete and good adhesion to old concrete
- Moisture tolerant during cure and blooming
- Low temperature curing property (can cure in temperatures of 3+ degrees)
- Vehicle trafficable, resists hot tyre pick up and has excellent mechanical properties
- Can be applied over a 3 days old concrete as a green concrete primer prior to applying epoxy floor coating products
- Curing time can be reduced to 2 hours when used in conjunction with [ULTRAKOTE Epoxy Accelerator](#)
- Exhibits good flexibility and Crack-bridging ability when applied at 500 Microns DFT
- Solvent free and non-shrinking product

### PRODUCT DESCRIPTION

**ULTRABARRIER** is a two component, 100% Solids, slow cure, Food grade epoxy coating system with good chemical resistance and protection against rising dampness and negative pressure in the concrete.

### CHEMICAL & PHYSICAL PROPERTIES

Form	Component A: liquid Component B: transparent liquid
Active Content	100% Solids Epoxy
Density (at 25°C)	Comp A + B: 1.6 ±0.1 kg/litre
Mix Ratio	Comp A : B 3: 1 by volume
Pot Life (at 25°C)	Approximately 30 minutes
Cure Times (@ 25°C approx.)	Initial cure: 24 hours Re-coat able: 3- 12 hours Light traffic: 3 days Full cure: 7 days
Application Temperature (ambient & substrate)	-
Substrate Moisture Content	n/a
Packaging	Pre-proportioned units (A+B) = 12 Litre Kit in Lightbox Grey & Black
As in all corrosive situations, a full analysis of operating and exposure conditions is required, followed by reference to chemical resistance data to ensure product suitability	

*Up to 5% Methylated Spirits To the mixed product to reduce viscosity*

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## AREAS OF APPLICATION

- Residential garages, can be used as primer & base coat for flake flooring systems
- Driveways
- Primer under the timber flooring
- Warehouses
- Workshops
- Commercial kitchen floors
- Industrial environments such as; meat processing plants, cheese and dairy facilities, breweries, Wineries, distilleries and food packaging plants and more

## APPLICATION

Before the application, mechanically prepare the surface and make sure that the substrate is free from dust, surface water and surface contaminants such as oil, grease, fats, chemicals, rust, paints curing membranes, etc.

All loose materials and surface laitance must be removed. For larger areas diamond grinding, shot blasting, high-pressure water blasting or scabbling is recommended. On small areas needle gunning or bush hammering can be effective. Please bear in mind that the tensile strength of the substrate must be a minimum of 1.5MPa. Pre-wetting the substrate is not necessary except on very absorbent substrates and/or when exposure to intense sunlight is probable. **There should be no visible or standing water.**

Powe stir component A for 30 seconds and pour Part B into the container A. Mix with an electric stirrer for at least 2 minutes.

**ULTRABARRIER** is a versatile product and can be applied by brush, roller or spray. The recommended coating thickness is approximately 150 microns per coat (**Minimum of two coats is recommended to achieve optimum results**). After application and for the cleaning process, Xylene can be used for cleaning tools and equipment before the mixed compound begins to harden. Once cured, it must be removed mechanically.

## Recommended Top Coats

- ULTRAKOTE ULTRABARRIER
- ULTRAKOTE High Solids Epoxy
- ULTRAKOTE ProSeal
- ULTRAKOTE UVSeal

## STORAGE

Minimum of 12 months in unopened containers when stored free from frost in dry conditions between 7°C and 30°C. Component B is classed as nonhazardous for transportation

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## PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.

## LEGAL

**ULTRABARRIER is Manufactured by Alka Coatings.** This data sheet is to provide information on the product based on current knowledge. It does not constitute a guarantee and we recommend that testing should be undertaken to ensure that the final result is satisfactory for the intended application. The quality of the product is guaranteed under our General Conditions of Sale.

The information, and, in particular, the recommendations relating to the application and end-use of UltraKote products, are given in good faith based on UltraKote's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with our recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. UltraKote reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of Product Data Sheet for the product concerned, copies of which will be supplied on request.

The user is responsible for checking the suitability of products for their intended use and for ensuring that the application and use of the product is in accordance with the manufacturer's guidelines and recommendations. Suggestions made by UltraKote Australia either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not UltraKote, are responsible for carrying out procedures appropriate to a specific application.

For more information, please visit [www.ultrakote.com.au](http://www.ultrakote.com.au) or [www.alkacoatings.com.au](http://www.alkacoatings.com.au) or contact Alka Coatings technical team on 02 9137 6476