

ULTRAKOTE UVSEAL

High Gloss, UV Resistant, Single Pack Polyurethane Protective Coat



MATERIAL DESCRIPTION

UK-PU40 is a low solid, high UV resistant, moisture-curing single-pack aliphatic polyurethane concrete coating. When cured, **UK-PU40** produces a high gloss, extremely tough and hardwearing film with excellent resistance to yellowing.

AREAS OF APPLICATION

UK-PU40 is suitable for use in a wide variety of industrial and commercial applications. It can be used to provide a varnish or protective glaze-coat for trafficable areas in both interior and exterior applications. **UK-PU40** can be used extensively in but is not limited to the following areas of application:

- Garages/Sheds
- Warehouses
- Multi-level car parks
- Chemical industries
- Industrial Environments
- Warehouses with high density traffic
- Car production and workshop facilities
- Pharmaceutical and cosmetic facilities
- Water and sewerage treatment plants
- Electronic and electrical industries
- Food and drink processing plants

CHARACTERISTICS AND BENEFITS

- Perfect clear top coat for Epoxy Flake Systems
- Excellent UV Resistance
- Excellent wear and abrasion resistance – long term floor protection
- Smooth and glossy finish – good aesthetics and easy to clean
- Easy application
- Suitable for both interior and exterior applications
- Good chemical resistance – can be used for chemical spillage areas

PACKAGING

UK-PU40 is available in 10L pails.

PROPERTIES

Supply form	Liquid	
Colour	Light Yellow (dries clear)	
Thinning	For non-porous surfaces dilute 1 st coat of UK-PU40 with thinners @ 1:1 ratio	
Coverage	Up to 7 – 10 m ² /L	
Application temperature (ambient & substrate)	MIN	MAX
	8°C	Max 35°C
Overcoating Time	8hrs	18hrs
Curing Times	Foot Traffic	Vehicular
	48hrs	72hrs

APPLICATION

Concrete is to be cured for a minimum of 14 days, must be diamond grinded (and polished, if required) and free from any imperfections that may cause system to fail. Remove all surface laitance, oil, grease or any defective concrete that will reduce the bond of **UK-PU40**. If concrete cannot be grinded, the following steps may be taken however may reduce the success for the coating.

Newly applied concrete

Concrete is to be free from all contaminants, i.e. grease, oil, loose particles and cleaning agents.

Older Concrete

Prepare the concrete with diluted surfactant to degrease and wash with a high-pressure cleaner. Make sure all degreasing agent is removed, and the concrete is dry, before proceeding onto the next step.

- a) Acid etch concrete with hydrochloric acid (HCL) Dilution rate: 1L HCL to 20L water (always add the water first and pour acid into the water to avoid splashing of the acid). Smoother concrete will require a higher concentration of acid.
- b) Apply evenly over the concrete with a plastic watering bucket. Pressure wash with water immediately after (before acid dries) with a pressure of 2500PSI.

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PREMIUM GRADE PROTECTIVE COATINGS

- c) Allow the surface to dry completely before sealing.
- d) Only apply **UK-PU40** if surface is dry and contaminate free.
- e) **UK-PU40** is supplied in ready-to-use pails. Please homogenize the product by mixing with a mechanical drill before application. Avoid introducing air into the product when mixing.

CURING

1) **Foot Traffic** after a minimum of 48hrs

2) **Vehicle Traffic** after a minimum of 72 hours

*Cure time supplied is approximate and will depend on thickness of coating, temperature & humidity conditions

CLEANING

Use thinners to clean equipment and tools before the material hardens. Cured material can only be removed mechanically.

STORAGE

UK-PU40 should be stored under cover, out of direct sunlight, in a cool and well-ventilated space. **DO NOT** store near oxidants or reducing agents and keep away from all potential ignition sources.

SHELF LIFE

Shelf life of **sealed UK-PU40** in its original container is **12 months** from the date of manufacturer.

*If stored longer than 12 months, product must be rechecked for suitability in the intended application.

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.

WARRANTY

UltraKote warrants its' products to be free of defects in materials, and within their manufacturing specification but makes no warranty as to application and installation. As methods of application and on-site conditions are beyond the manufacturers control and can affect performance, UltraKote makes no other warranty, expressed or implied, including warranties of merchantability and fitness for a particular purpose.



LEGAL

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.