

## **URADECK BC**

### **Polyurethane Body Coat**

#### **Description**

A two component polyurethane body coat characterised by its inbuilt flexibility even at low temperatures, with excellent adhesion to a variety of surfacing including concrete, steel and slip resistant aggregates and is also used as an aggregate bonding coat for Uradeck EMS.

#### **Advantages**

- Excellent adhesion.
- Inbuilt flexibility.
- Good chemicals resistance.
- Excellent weathering characteristics.
- Rapid setting.

#### **Technical Information**

Colour:	Black
Mixing Ratio:	Only full packs should be mixed.
Pot Life @ 20°C:	10-65 mins
Pot Life @ 5°C:	20mins-2 hours
Accelerated Pot Life @ 5°C:	10 mins
Traffic Time:	2 hours
Full Cure:	7 days
S.G. @ 20°C:	1.2
Application Temperature:	1°C to 30°C
Coverage:	5 kgs = 4.3 @ 1mm 25 kgs = 21.7 @ 1mm
Shear Adhesion to Steel:	6 Mpa
Elongation:	80%
Tensile Strength:	5.4 Mpa

This system is accelerated to match the clients trafficking requirements.

#### **Packaging**

Uradeck BC is available in 5 kg and 25 kg units. Aggregate is available in 25 kg units.

#### **Surface Preparation**

All surfaces should be clean, dry, free from oil, grease and chemical contamination. Oil and grease can be removed using Desolve. Concrete surfaces should be free from laitance, which should be removed by grit blasting or scarifying. If it is not practical to grit blast or scarify, it is possible to acid etch the floor with Chemclean. However, precautions must be made to prevent the concrete from absorbing excess moisture.

It is recommended that concrete substrates should not have a moisture content of more than 75% RH. This can be assessed using a hair hygrometer covered with polythene for 24 hours as recommended by BS 8203. Steel surfaces should be prepared by grit blasting or grinding to remove all loose scale and rust. Should the strength or the surface stability of the concrete base be in doubt, then we recommend a trial patch of Uradeck BC be applied to assess its suitability.

#### **Application**

The mixed Uradeck BC should be applied to the deck/floor surfaces using a squeegee, ensuring that all areas are given a liberal coat of the body coat to give a wet film thickness of 0.5mm to 2mm.

The aggregate should be applied to the surface whilst the Uradeck BC remains tacky. Should the Uradeck BC lose its tackiness then a further coat should be applied as above.

#### **Aggregate**

Bauxite Aggregate is available as 0.5mm to 1.5mm for pedestrian use and 1mm to 3mm for vehicle use.

Application rate: 5 kg m<sup>2</sup> for full blind.

Quartz Aggregates are available from 0.5mm to 2mm.

Application rate: 3 kg m<sup>2</sup> for full blind.

### **Mixing**

The entire contents of the hardener tin should be added to the base tin and slowly stirred until thoroughly mixed, taking care not to entrain air into the mix. Care should be taken to prevent unmixed material remaining on the side of the tin.

### **Storage**

Uradeck BC should be stored at normal room temperatures. If stored in cold conditions the containers should be warmed prior to mixing. This will greatly aid the mixing and application procedure. Uradeck BC should be stored away from foodstuffs and out of the reach of children.

### **Health & Safety**

Uradeck BC, like similar products, is capable of irritating unprotected sensitive skin, we therefore recommend the use of a suitable barrier cream and/or gloves.

### **Limitations**

Do not apply at temperatures below 0°C.

### **Technical Support**

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.

Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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