

# TOPKRETE WB 100

## Water-Based Modified Epoxy Coating

### Description

Deckrete WB 100 is a two-component, water-based modified epoxy coating using advanced water based epoxy formulation. It provides excellent adhesion, abrasion resistance, and water tolerance compared with conventional water-based epoxy systems.

Designed for durability and hygiene, Deckrete WB 100 is suitable for both floor and wall applications in light to medium traffic environments.

### Uses

Deckrete WB 100 is suitable for application on floors and walls in:

- Warehouse
- Hangars
- Garages
- Manufacturing facilities
- Clean rooms
- Car parks
- Walkways
- Other light to medium traffic areas

### Benefits

- Cost-effective performance
- Hygienic, easy to clean and maintain
- Durable with excellent abrasion resistance
- Attractive finish available in multiple colors
- Water-based, low odor, safer and environmentally friendly

### Colour

Available in clear and standard colors:  
Red, Green, Beige, Light Grey, Dark Grey,  
Mid Grey, Yellow

### Technical Data

Technical Data	
Mixing Ratio (by weight)	4 : 1 (Part A : Part B)
Pot Life at 30°C	30 minutes
Foot Traffic at 30°C	3 – 5 hours

Vehicle Traffic at 30°C	24 hours a
Full Cure at 30°C	72 hours
Bond Strength	> 2.0 N/mm <sup>2</sup>
Compressive Strength	> 5 N/mm <sup>2</sup>
Flexural Strength	< 1 N/mm <sup>2</sup>
Abrasion Resistance	0.1 g / 1000 g (CS-10 wheels)
Temperature Resistance	Up to + 80°C
Packaging	5 kg & 10 kg

### Substrate Requirements

Concrete substrates shall be sound at G25 and above.

Recommended flatness of the substrate is SR 2 standard.

### Surface Preparation

- Remove laitance, oil, grease and contaminants by grinding, grit blasting or scarification
- Prepare substrate to achieve a clean, sound and dust-free surface
- Highly absorptive substrates should be pre-sealed using a suitable water-based epoxy primer
- Uneven floors should be leveled prior to coating application

### Mixing

Deckrete WB 100 is supplied in two components.

- Mix Part A and Part B thoroughly using a low-speed mechanical mixer until homogeneous
- Hand mixing is not recommended
- Only mix quantities that can be applied within the stated pot life

### Thinning

- **First coat shall be adding 10% water during mixing for better penetration.**
- **Subsequent coats shall be added 5% of water during mixing and mix well**
- **Extra coat may be required if the concrete is porous.**

### Method Of Application

Apply Deckrete WB 100 by:

- Brush
- Short-haired mohair roller
- Airless or conventional spray

### Application

- Apply onto properly prepared substrate and spread evenly at **0.15kg /m<sup>2</sup>/coat**
- Application shall be uniform to avoid roller marks and avoid overlapping
- Subsequent coat shall be 6 to 8 curing.

### Application Temperature

Apply only when substrate temperature is between **+10°C and +30°C.**

### Health & Safety

- Components may be hazardous during mixing and application
- Wear protective gloves, clothing and eye protection
- In case of skin contact, wash immediately with clean water
- If swallowed, seek medical attention immediately.

### Disclaimer

The information provided in this Product Data Sheet is based on current knowledge and experience. Since application conditions are beyond the manufacturer's control, no warranty is expressed or implied. Trial application is strongly recommended before large-scale use.

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