

# WBC Epoxy Coloured Coating



**SINDEC**  
CHEMICALS

## WBC-135 (Pigmented)

Water Based Epoxy Coating, Various Colours Available

### Description

**WBC-135** is a self-priming, 2 component water based coloured or clear epoxy resin coating, which can be applied at a total thickness between 140 to 200 microns per coat.

**WBC-135** is vapour permeable, solvent and phenol free. Can be applied directly onto concrete without the need of a functioning DPM.

### Coverage

Coverage varies widely due to the porosity and profile of different substrates.

5kg kit covers 20 - 35 m<sup>2</sup>

10kg kit covers 40 - 70 m<sup>2</sup>

\* Coverage figures given are theoretical. Practical coverage rates may vary due to wastage factors and the type, condition, profile and porosity of the substrate.

### Environmental Conditions

**WBC-135** should not be used or applied at temperatures outside of at range of <10°C to >40°C

\*temperature control will be required if below this range.

Maximum application temperature is 40°C. Best conditions are 15°C to 25°C, these conditions should be maintained during all the curing time. Application should be done with plenty of air ventilation.

### Features & Benefits

- Zero VOC
- Taint Free
- Vapour Permeable
- Range of colours
- Self-Priming
- Suitable for vertical applications
- Fast drying – overcoatable in 2 to 3hrs @ 20°C
- Durable
- Chemically resistant
- Low odour

### Mixing

Pour part B into part A, stir and completely blend both components using a low-speed mixer using paddle mixer for a minimum of 3 minutes @ 300-400 rpm.

### Tool Cleaning

Tools and equipment should be cleaned whilst the resin is still wet, Component A should be cleaned using **Sindec Tool Cleaner**.

Blended Components can be cleaned using Water.

### Product Application

Once mixed the primer should be applied immediately in a thin continuous film. Work the resin into the surface using squeegee then roll to avoid pooling. On porous surfaces **WBC-135** will be absorbed very quickly, use enough required amount resin to ensure complete surface sealing. (2 Coat application recommended)

### Suitable Substrates

Thoroughly prepared concrete, polymer modified sand and cement screeds.

### Substrate Requirements

Inadequate preparation will lead to loss of adhesion and failure. In coatings, there is a tendency for the finish to mirror imperfections in the substrate. Grinding or light self-contained shot blasting is therefore preferred.

If in doubt, apply a test area first.

Requirements as follows:

- Flat and Smooth.
- Compact and Cohesive (Pull off test must show a minimum resistance of 1.4N/mm<sup>2</sup>).
- Minimum compressive strength of 25N/mm<sup>2</sup>.
- Even and regular surface.
- Free from cracks and fissures. If any, they must be previously repaired (we recommend using Sindec Epoxy Crack Filler).
- Clean and dry, free of dust, loose particles, oils, organic residues, laitance and contaminants.

### Oil & Grease

Isolated contamination should be removed using an appropriate degreaser, rinsed thoroughly, and allowed to completely dry. A coat of **OT-235 (Oil Tolerant Primer)** should then be applied (see separate datasheet)

### Reapplication

A Second coat is possible as soon as the first one is touch dry and within the following 24 hours.

### Colour Pigmentation

See Sindec Chemicals Colour Chart



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### Technical Information

#### PRODUCT INFO BEFORE APPLICATION

	Component A	Component B
<b>Chemical Description</b>	Epoxy	Aqueous Polyamine Solution
<b>Physical State</b>	Liquid	Liquid
<b>Packaging Kits</b>		
5kg kit - Component A & B 10kg kit - Component A & B		
<b>Non-volatile content (%) approximate</b>	>95%	98%
<b>Colour</b>	Colourless	Pigmented
<b>Mixing Ratio</b>	A = 100 by weight	B = 190 by weight
<b>Use Before</b>	12 months after manufacturing date	
<b>Pot Life</b>	Temp (°C)	Pot Life (100 g, min)
	20	45
<b>Storage</b>	Keep between 10°C and 40°C. Component A may crystallize if stored for protracted periods under certain conditions. If this occurs, it can be restored to its original conditions by heating it to 70-80°C and stirring it thoroughly.	
	Shelf Life 12 Months (If unopened)	

#### FINAL PRODUCT INFORMATION

<b>Final State</b>	Satin appearance
<b>Colour</b>	Colour applied will be showcased in the material.
<b>Hardness (Shore)</b>	65 Shore D hardness after 7 day >58°
<b>UV Resistance</b>	Undergoes slight ambering under sunlight and UV exposure, hardly noticeable in indoor application. No mechanical properties are affected. it is not evident for most colours.
<b>Use Temperature</b>	Stable up to 80°C

### Disposal of Containers

Empty containers must be handled with the same precautions as if they were full. Treat empty containers as hazardous waste, and transfer them to an authorized waste manager. If the containers still have some material left, do not mix with other product before considering the risk of potential dangerous reactions.

### Technical Advice

For further information on this or any other Sindec product, please contact our office.

### Health & Safety

Before using this product, please ensure that you have received and read the product Safety Data Sheet. Refer to hazard labelling on the product. Wear gloves and avoid contact with skin and eyes.

### Additional Information

The information contained in this document, and all further technical advice given is based on our present knowledge and experience. However, it implies no liability or legal responsibility on our part. In particular, no warranty or guarantee of product performance in the legal sense is intended or implied as the conditions of use and the competence of any labour involved in the application are beyond our control.

Properties and coverage rates shown are for guidance purposes only. The user of the product must determine the product's suitability for the intended purpose. We reserve the right to make any changes according to technological progress or further developments.

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