



## BPL ANTICARB COATING WB

### USES

An excellent Anticarbonation Coating for all types of concrete structurals including Building exterior, bridges, infrastructure project jobs and coastal installations.

### SCOPE

A high solid, high performance water borne Acrylate Finish specially designed to protect exterior concrete from distress through carbonation and provide aesthetic values. The coating in system extends durability of the structurals as the coating can breathe along with concrete.

#### PRODUCT DATA

**Type** : Single Pack

**Composition** : Based on pure Acrylic  
Emulsion

**Application** : Brush, Roller

**Dilution** : Max 20% by volume

**Recommended DFT** : 100 –110 microns

**Theoretical Spreading Rate** : 6.0 m<sup>2</sup>/ltr./coat

**No. of coats** : Two

**Drying Time** :

Touch Dry : within 30 minutes

Hard Dry : 8 to 12 hours

Full Cure : 5 days

**Overcoating Interval** : Min. Overnight

**Appearance** : Viscous Liquid

**Finish** : Smooth and Matt

**Thinner/Cleaner** : Soft water

**Storage Life** : Upto nine months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

#### RESISTANCE GUIDE

**Tests carried out in system** : One coat Sealer  
Plus Two Coats Finish

**Accelerated Weathering** : Passes 500 Hrs  
as per ASTM D822 UV on Exposure

**Tensile Strength** : 71 kg / cm<sup>2</sup> (DFT = 700 mic)

**Elongation** : 50% (DFT = 700 mic)

**Anticarbonation properties**

(DFT = 130 mic)

**Diffusion Co-efficient DCO<sub>2</sub> of Air** : 0.160 cm<sup>2</sup>S<sup>-1</sup>

**Calculated Diffusion Co-efficient :**

(DCO<sub>2</sub>) 1.9456 x 10<sup>-7</sup> cm<sup>2</sup>S<sup>-1</sup>

**Diffusion Resistance Co-efficient**  $f_u$  8.2235 x 10<sup>-7</sup>

**Equivalent Air layer Thickness** : 106.9 \* R,m

**Equivalent Thickness of Concrete SC, Cm** 24.44

\*Klopper criterion for effective anticarbonation coating that 'R' should be greater than 50 m

**SURFACE PREPARATION**

**Concrete:** **New Concrete** - Ensure that the concrete is cured for minimum 3 months. The surface is to be made rough and free from laitance and other contaminants by sand sweeping or hard wire brushing. **Old Concrete** : Remove all salt deposits from the surface by water jet washing. Light sand blast the surface or hard wire brush to remove all loosely bound coatings and roughening up of firmly adhering coating to ensure anchorage with the primer. Ensure all dust/other particles are fully removed by suction or air blast and the surface is fully cleaned and dry before application of paint.

**APPLICATION**

Mix the contents thoroughly and dilute with soft water as recommended. Apply the diluted sealer using Brush or Roller. Application by brush is preferable for better penetration and sealing of the concrete surface.

**TYPICAL PAINTING SPECIFICATIONS**

Surface	1st Coat	2nd Coat	3rd Coat
Concrete/plastered	Anticarb Sealer WB	Anticarb Coating WB	Anticarb Coating WB

**Notes :**

- \* Allow minimum 48 hours before subjecting the painted surface to service.
- \* Do not apply during rain, fog or mist or when the temperature falls below 10 degree C

**Health & Safety :** Please refer to the separate Safety Data Sheet available with detailed information.

**DISCLAIMER**

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

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