



# COROCRETIN BI

## (Concrete Impregnator)

### DESCRIPTION

COROCRETIN BI is a solvent containing, colourless, two-component system, based on epoxy resin. It is an excellent concrete impregnator. Due to its very low viscosity and high capillary action, it penetrates deeply into the substrate and covers all pores and capillaries.

### USE

- ❖ It is used as an impregnator or sealing material for cement plaster, old and new concrete.
- ❖ The important places of use includes, bridge caps, pathways, industrial floors, storage areas, high rise and under ground garages etc,.
- ❖ In addition, it is used on cement bound surfaces as primer for solvent containing pigmented epoxy-coating products such as COROCRETIN UA and COROCRETIN UVS.

### ADVANTAGES

- ❖ Seals all pores and capillaries in concrete
- ❖ Prevents carbonation and penetration of water vapours.
- ❖ Improved abrasion resistance of concrete.

### PROPERTIES

Type	Two pack, Cold Cure
Composition	Epoxy resin, with formulated hardener
Mixing Ratio by weight, Comp. A : Comp. B	3 : 1
Pot life at 25°C, in hours	6 - 8

Density, in gm / cc	0.9
% Solids	30
Tack free time, in minutes	60-70
Dry to handle, days	3
Hard dry, days	1
Curing time, days	7
Number of coats recommended	1
Method of application	Brush / Roller / Spray
Thinner	Corocrete U Thinner

### APPLICATION INSTRUCTIONS

#### Surface Preparation:

The surface should be thoroughly cleaned, so that it is free from dust, laitance and other contaminants. The cement laitance is removed from the surface by acid etching, mechanical scarification or by sand blasting.

In addition, the surface should be dry, firm and free from oil, grease and other contaminants.

#### Mixing:

Mix the individual components (Component A & Component B) separately for homogeneity. Mix 3 parts of Component A with 1 part of Component B by weight thoroughly, for uniform mixing, and apply using conventional brush, roller or spray.

#### Typical Coating Specification:

#### For Impregnation :

The application of COROCRETIN BI is in 1 – 3 stages with about 15 minutes interval between coats (wet on wet). In this way, the greatest possible penetration is achieved.

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## **For Sealing:**

Apply one coat of COROCRETIN BI over the prepared surface. Seal the surface after a period of 6-24 hours by a second coat. By this means, a uniform sealing layer is formed.

## **Note:**

1. In the open air, the effect of impregnation cannot be expected to last long. The life time of the seal will also be reduced by high mechanical stresses.
2. Because of different absorbability of concrete, it is not always possible to achieve a homogenous appearance of surfaces impregnated with COROCRETIN BI. If required, a sealing pigmented coat with Corocrete UVS can be given
3. COROCRETIN BI can be applied to new, approximately 3 days old, as well as to slightly damp concrete surfaces.
4. During application, the relative humidity should not exceed 85%
5. During application, COROCRETIN BI should be protected from moisture (rain, fog, drain) for a period of 2-3 hours.
6. Since COROCRETIN BI contains solvents, good ventilation must be provided while working in closed areas.

## **COVERAGE**

COROCRETIN BI : 200 - 250 gm / Sq.mtr / coat

## **PACKING**

COROCRETIN BI Comp.A – 4.5, 13.5 Kg

COROCRETIN BI Comp.B – 1.5, 4.5 Kg

## **STORAGE & SHELF LIFE**

COROCRETIN BI as supplied shall be stored in a cool and dry place away from sunlight, moisture and high humidity and have a minimum shelf life of 12 months in the original packing.

## **HEALTH & SAFETY**

COROCRETIN BI contains organic resins and other materials, which may cause sensitization by skin contact. Avoid contact with skin and eyes and inhalation of vapour. Wear suitable protective clothing, gloves and goggles while handling.

## **ADDITIONAL INFORMATION**

CUMI - PRODORITE also supplies other construction chemicals, concrete repair and rehabilitation products including protective coatings, epoxy and polyurethane coatings and floor toppings, acid, alkali and chemical resistant brick / tile linings, Rubber linings, Chemical storage tanks, vessels, scrubbers, pipes and fittings, other custom-built items in FRP, PP-FRP, PVC-FRP & PVDF-FRP, FRP Gratings, etc.

## **WARRANTY**

Whilst Carborundum Universal Ltd. strives to ensure that any advice, information or recommendation given are appropriate and correct, it cannot accept any liability directly or indirectly arising out of the products, since the method and place of application of the products are beyond its control. Its guarantee is therefore limited to the quality of materials delivered.

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