

**VCOBOND EPB-5110****VCOBOND**

CONSTRUCTION CHEMICALS

**DESCRIPTION: -**

VCOBOND - EPB 5110 is a 100 % solid (solvent free), high modulus, non shrink two component epoxy resin with outstanding features.

**FEATURE / ADVANTAGE: -**

- Solvent base
- Low viscosity
- Good penetrating property in concrete
- Excellent bond strength
- Easy application
- Watertight
- Resistant to dilute alkalis, acids, aqueous salt solution & lubricants

**PHYSICAL PROPERTIES: -**

|           | RESIN              | HARDNER       |
|-----------|--------------------|---------------|
| COLOR     | CLEAR              | CLEAR         |
| SOLIDS    | 100 %              | 100 %         |
| DENSITY   | 1.14 gm / ml       | 0.998 gm / ml |
| MIXING    | 1 parts            | 1 part        |
| VISCOSITY | 800 cps            | 80 cps        |
| PACKAGING | 1 LIT              | 1 LIT         |
| GEL TIME  | 65-80 MIN. (77 °F) |               |
| COVERAGE  | 45 - 50 SQ.FT.     |               |

**APPLICATION AREAS: -**

- For priming concrete surface, that will be coated with epoxy self leveling, epoxy coating & epoxy Screed.
- For sealing cement based surface in production areas, warehouses & ramp areas.
- Binder for leveling mortars & mortar screed.

**SURFACE PREPARATION:-**

The surface must be clean, dry & free from all contaminates having preferably following properties.

Concrete quality: min. C20/25

Screed quality: min. EN 13813 CT-C25

Age: min. 28 days

Pull out strength = 1.5 N/mm<sup>2</sup>

Residual moisture < 4.0%

All previous coating if any must be mechanically removed to the maximum extent possible.

Concrete surface must be prepared mechanically using grinding equipment to remove cement laitance & achieve

An open textured surface. Weak concrete must be removed & surface defect such as blowholes & voids must be fully exposed.

Repairs to the surface & surface leveling must be carried out using VCOBOND FLOORCREET. All dust loose material must be removed before application of primer, ensure the moisture content of the surface below 4%

**DIRECTION FOR USE:-**

- **MIXING** - VCOBOND EPB-5110 Part A & Part B are supplied in a predetermined mixing ratio.
- Pour part B into Part A. Ensure that the Part B drains completely from its container.
- Mixing of the components is to be carried out with a suitable mixture at approx 150-200 rpm.
- Ensure that the two components are evenly dispersed; stir until mix is homogenous mix.
- Apply this mixture by roller or brush.
- Finish the mixture within 25 to 30 min.
- Make sure that a continuous pore free coat covers the surface.

**CLEAN UP:-**

Remove as much product from application equipment as possible before washing with solvent. Do not empty into drains or watercourses

**PACKING SIZE:-**

VCOBOND EPB- 5110 PART A - 2lit, 10 lit & 20 lit.

VCOBOND EPB- 5110 PART B - 1lit, 5 lit & 10 lit.

**COVERAGE:-**

Covers approximately 4-5 square meters per liter depending up on type of application & porosity of the surface to be treated.

**STORAGE & SHELF LIFE:-**

6 months if sealed packing and if stored in cool dry place in shaded area.

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**PRECAUTION: -**

While working with VCOBOND materials safety goggles, gloves and safety cloths should be worn at all times. Also observe container labels and instructions in VCOBOND catalog. In case one of component comes in contact with skin wash thoroughly with soap and water adequate ventilation in volume and pattern should be provided in working area. Further precaution emergency showers and eye wash stations.

**LEGAL NOTES:-**

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