

CRESBOND EB is a two part solvent free bonding agent composed of liquid epoxy resin and hardener. It is used for bonding of structural concrete new to old concrete and bonding agent for bricks and steel components because it gives excellent bonding properties to freshly mixed concrete/mortars, glazed bricks, tiles etc.

ADVANTAGES

- Moisture tolerant, can be applied on slightly damp surfaces.
- Non shrinking
- High durability
- High bond strength
- Good chemical resistance

USES

- Bonding of old to new concrete/mortar.
- Bonding agent for glazed brick, tiles, steel & structural members.
- Structural adhesive for properly prepared concrete, masonry, metal and wood surfaces.
- Corrosion protection and coating for steel reinforcing bars.

SURFACE PREPARATION

The surface must be thoroughly cleaned and prepared. Remove all loose particles, dirt, dust, laitance and mould release agents, curing compounds, oils, grease, floor hardeners and any waterproofing materials for best results. Remove laitance, dirt and dust by mechanical scarification such as wire brushing, scrapping, scabbling or girt blasting.

Clean the dust by pressurized air or by washing with water. Oil and grease should be removed by degreasing with solvents like turpentine or thinners. Visible signs of mould growth should be removed & treated with a fungicidal solutions. New concrete must be cured properly.

MIXING

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are achieved. Failure



TECHNICAL PROPERTIES

Description	Value	Standard
Appearance	Viscous liquid	-
Specific gravity @25 °C	1.3 (±0.05)	ASTM D1475
Pot life @25 °C, min	35	ASTM D2471
Tack free time @25 °C, hr	10.0	-
Compressive Strength, N/mm ² , 7 days	>35	ASTM C579

All values given are subject to 5-10% tolerance.

to do so can result in lower performance or even possible failure of the product. For preparation of product, properly stir each component A & B separately before mixing together. Pour component B (hardener) into component A (resin) and mix carefully with electric mixer at low number of turns till obtaining a homogeneous mix. It is always recommended to mix a complete kit at a time. Over mixing must be avoided to minimize air entrainment. Once mixed, the material must be used within its pot life.

APPLICATION

Apply the mixed **CRESBOND EB** to the prepared surface by brush, roller or with a trowel, and ensure uniform and complete coverage. On hardened concrete substrates mechanically prepared to receive fresh concrete, always apply by brush and work the material well into the substrate. Place the fresh concrete whilst the **CRESBOND EB** layer is still 'tacky'. If the material becomes glossy and loses tackiness, apply a fresh coat with additional **CRESBOND EB** and proceed.

CLEANING

Tools and equipment's should be cleaned using appropriate solvent immediately after use. Hardened material should be removed mechanically.

COVERAGE

The consumption varies from 3 to 5m²/L according to the irregularities of the substrate.

PACKING

CRESBOND EB is supplied in 5 L kit.
Component A – Resin
Component B - Hardener

STORAGE

It should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

SHELF LIFE

Keep away from direct sunlight and store under normal warehouse conditions. Container must be tightly closed. Shelf life of this product is 12 months from the date of manufacturing.

LIMITATION

1. Do not let the **CRESBOND EB** dry, otherwise it must be mechanically removed and re-applied.
2. Substrate temperatures should be above 5°C and rising.
3. All products should be used within the pot life. Materials not used within the specified time should be discarded.
4. For application in temperatures above 40°C please refer to recommendation.

RECOMMENDATION

- (i) Store unmixed materials in a cool environment, avoiding expose to direct sunlight.
- (ii) Avoid application during the hottest time of the day.
- (iii) Store unmixed materials in a cool preferably air conditioned environment.
- (vi) Avoid exposure of mixed & unmixed materials to direct sunlight.

HEALTH AND SAFETY

Always use protective clothing, eye goggles and hand gloves when handling this product. Avoid contact with skin or eyes. If spilled on the skin, wash immediately with soap and plenty of water. Accidental splashes on the eyes should be immediately clean with fresh water and medical attention sought.

Product Disclaimer:

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable. All recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to ensure each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

*Refer material safety data sheet (MSDS) for further information.