

## **ACECOTE**

### *Epoxy Bonding Agent*



#### **PRODUCT DESCRIPTION:**

ACECOTE Epoxy bonding agent is a 100% solid, moisture-tolerant epoxy system designed to increase the bond between freshly-placed repair mortars or concrete mixes and existing concrete. It consists of pre-weighed Part A and Part B in pail. It is a high abrasion and impact resistant coat and has very good adhesion to concrete surface, plaster and all kind of metal.

#### **ADVANTAGES:**

- For interior and exterior application
- Bonds to both damp and dry concrete
- 25-minute pot life at 75°F (24°C)
- 3-hour open time at 75°F (24°C) for repair mortar installation
- Can be applied by brush, roller, spray or squeegee
- Used for expansion and repair of structural concrete
- Bonding agent for steel and structural membrane

#### **APPLICATIONS:**

Bonding new concrete or repair mortars to existing concrete

#### **AVAILABLE PACK SIZE:**

Available in 1 kg and 10kg (Including 2 components)

#### **COMPONENTS FOR EACH KITS:**

Each kits consists of carefully prepared, superior quality Resin and Hardener.

#### **SHELF LIFE:**

12 months, if stored in cool and dry area in unopened containers, protected from sun light. Shelf life is calculated from the month of manufacturing of the product.

**SURFACE PREPARATION:**

Concrete surface must be sound, clean and free of all contaminants that could impair product adhesion, bond or performance. Concrete should be a minimum of 28 days old or substantially cured to the equivalent design strength prior to installation. Remove all loose or deteriorated concrete by chipping hammer, water jetting, or other mechanical means to achieve an open pore structure and sound concrete surface. Remove all cleaning media and debris by vacuum or blowing with high-pressure, oil-free air.

**For METAL SURFACES:** Use a wire brush or sandpaper to remove rust and scale from the surface to be protected. Surfaces may be shot blasted or abraded using a wire wheel for best results. All dirt, grease, and old paint should be removed. All clean dry surfaces is essential for the best results. Begin with a sound, clean, dry and roughened, oil-free application surface

**For NEW POURED CONCRETE:** Allow to fully cure (28 days @ 70°F) prior to application. Remove any curing membrane by sanding or etching with a strong detergent.

**For OLD CONCRETE:** Thoroughly clean surface with a grease-cutting detergent to remove grease and oils, and remove any loose or unsound concrete by chipping, scarifying, shotblasting, sanding, or grinding. Proceed as for new poured concrete.

**For PREVIOUSLY COATED CONCRETE:** Remove any peeling or degraded paint by sanding or using a paint stripper. For intact paint, thoroughly clean the surface with a strong detergent, then lightly sand to remove any gloss. Treat any areas worn down to the original concrete as bare concrete.

**MIXING PROCEDURE:**

Pour Hardener into Resin and add required amount of Portland cement, if necessary. Proportion Component “Resin” and Component “Hardener” at a 1Hardener:2Resin ratio by volume in a clean pail and add approximately 1 kg cement to 10 kg mix (if necessary). Mix thoroughly with a low-speed (300–600 rpm) drill and mixing paddle for 3 minutes, scraping unmixed material from sides and bottom of mixing container as needed. Avoid entrapping air into mixture. Do not prepare more material than can be used within the pot life of the product.

**APPLICATION PROCEDURE:**

Remove all standing water by vacuum or blowing with oil-free, compressed air prior to installation. Acecoat Epoxy Bonding Agent can be installed on damp or dry surfaces. Do not install through standing water. Avoid installing at high temperatures or windy conditions to maximize open time. Never apply in direct sunlight. Apply Acecoat Epoxy Bonding Agent by brush, roller, spray or squeegee. Immediately install repair materials or concrete mix into wet Acecoat Epoxy Bonding Agent. Do not allow Epoxy Bonding Agent to dry or become tack-free before concrete or mortar installation. If Epoxy Bonding Agent does dry or becomes tack-free, abrade surface and recoat. Do not apply more bonding agent than can be effectively covered with repair mortars or concrete mixes while remaining wet.

**LIMITATIONS:**

- It is not recommended to use on surface where continuous temperature exposure above 100°C.
- Epoxy, epoxy residue, or wash water will discolour painted or anodized surfaces upon contact. Should be tested for possible staining or slight colour changes when used with porous, absorptive, textured surface
- Lower temperatures will cause the epoxy to become stiff and more difficult to work and will extend initial set. Higher temperatures will cause the epoxy to become more fluid and will accelerate the set.
- Not recommended in some manufacturing facilities where heavy chemicals are used. Consult Technical Services on questionable installations.
- Colours may be slightly different than shown. When colour considerations are critical, a mock-up should be constructed prior to final application.

**COVERAGE:** 200 – 225 sft for 10kg packing. Coverage will vary depending upon surface undulation and application variation person to person.

**CAUTION:** **Component “Resin”:** May cause eye and skin irritation. May cause skin sensitization.

**Component “Hardener”:** Severe irritation to eyes and skin. May cause skin sensitization.

**PROTECTIVE MEASURES:** The use of safety glasses and chemically resistant gloves is recommended. Use appropriate clothing to minimize skin contact. The use of a NIOSH-approved respirator is required to protect respiratory tract when ventilation is not adequate to limit exposure below the PEL. Refer to Material Safety Data Sheet (MSDS) available for detailed information.

**CUSTOMER SERVICE:** For any query related to product availability, cost, coverage, applicators, installation instructions, problems and trouble shooting, contact customer service executive on our 24 X 7 customer help line +91 963 260 5577 or write email to [customercare@acebond.in](mailto:customercare@acebond.in)

For product or other information, please write us to [info@acebond.in](mailto:info@acebond.in). Visit us at [www.acebond.in](http://www.acebond.in)

**DECLARATION:** Acecrete Adhesions India Private Limited warrants to the original purchaser that its product shall be free from defects in material for a period of one year from the manufacturing of the product. Our sole liability under this warranty shall be limited to the replacement of our purchased product if proved defective under normal handling as stated in the TDS. This warranty will not extend to any other product or items which were handled along with our product. This warranty or any other legal issues or claims are subject to Mangalore jurisdiction only.

**WARRANTY:** **The information and recommendations contained herein are based upon data believed to be correct; however, no guarantee or warranty of any kind expressed or implied is made with respect to the information provided since conditions of use, application method and surface preparation at site are beyond our control. All legal issues are subject to Mangalore jurisdiction only.**  
**NB: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.**