

## **MAX 2008 MAXBOND EP**

(Epoxy Bonding Agent)

### **DESCRIPTION:**

#### **MAX 2008 MAXBOND EP (Epoxy Bonding Agent)**

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.

### **AREA OF APPLICATION:**

Bonding agent for bonding of old to new concrete / mortar. To extend or repair structural concrete. Bonding agent of glazed brick, tiles, steel & structural members.

### **FEATURES & BENEFITES:**

- Ease of application by brush
- Excellent adhesion
- Bond strength exceeds the tensile strength of concrete hence no failure of concrete due to degree of movements
- Comfortable open time to complete the work easily
- Very low shrinkage as compared to polymer modified cementitious bonding agents
- Excellent water resistance and sealing property prevents leakage
- Non toxic
- It is moisture tolerant hence provides strong bond of new concrete to fresh concrete
- Very high durable bond
- Resistant to chemical attack.

### **METHOD OF APPLICATION:**

#### **1 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 grit 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 completely.

#### **2 MIXING**

- Stir the material of both base & hardener containers to a uniform colour & consistency.
- Transfer the entire quantity of base component into a clean & dry vessel, then poured entire quantity of hardener into the base. The two parts must be mixed thoroughly with a low speed mixer (150 to 200 rpm for about 3 to 4 minutes) to get uniform colour & consistency of the mixed material.

#### **3 APPLICATION**

- Mixed material should be brushed applied on the prepared surface.
- Overlay of concrete / mortar has to be placed on **MAX 2008 MAXBOND EP (Epoxy Bonding Agent)** when it is tacky.
- In case **MAX 2008 MAXBOND EP (Epoxy Bonding Agent)** has dried, apply a 2nd coat before placing the concrete / mortar.

#### **Precautions & Limitations**

- **MAX 2008 MAXBOND EP (Epoxy Bonding Agent)** should be applied on old concrete surface.



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- Before **MAX 2008 MAXBOND EP (Epoxy Bonding Agent)** get tack free, apply new concrete or mortar.
- If applied coating gets fully dry then apply 2nd coat over it.

#### TECHNICAL SPECIFICATION:

Mix Density, kg/m <sup>3</sup>	: 1120
Pot Life@30°C, mins	: ± 30 - 40
Tack free time @30°C, hrs	: 1-2
Shear Bond strength	: Concrete failure
Tensile strength, 7days - N/mm <sup>2</sup>	:10.4
Cure time	: 7days
Compressive Strength, N/mm <sup>2</sup>	:7 days-60
Flexural Strength N/mm <sup>2</sup>	: 28

#### Coverage:

2 – 3 Sq. Meter / kg depending on the substrate

#### PACKING:

1.5 kg

#### STORAGE & LIFE:

Best before two years from the date manufacture when in sealed pack and stored in cool & dry place in unopened condition away from direct sunlight.

#### HEALTH & SAFETY:

- Use rubber hand gloves & safety goggles, while using **MAX 2008 MAXBOND EP (Epoxy Bonding Agent)**
- In case of contact with skin, wash with plenty of water.
- Keep out of reach of children

#### TECHNICAL INFORMATION & SERVICES:

Further information and advice, including practical demonstration are freely available with the Technical Service Department of **SEMITRONE CONCHEM PVT LTD - AHMEDABAD.**

**DISCLAIMER:** The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results.



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