

MasterBrace[®] P 3500

Epoxy based primer for MasterBrace FIB System

DESCRIPTION

MasterBrace P 3500 is an epoxy based low viscosity primer developed for the **MasterBrace FIB System** for better bonding to concrete substrates.

ADVANTAGES

- Easy to apply
- Low viscosity
- High strength
- Excellent bonding to concrete substrates
- Solvent-free

PACKAGING AND COLORS

MasterBrace P 3500 is supplied in 5 kg and 15 kg units and available in Clear.

TYPICAL PROPERTIES*

| | |
|------------------------------|--------------------------------|
| Mixed density | 1.09 kg/L |
| Viscosity @ 25°C | 3.5 poise |
| Flexural strength EN 196 | >65 N/mm ² (7 days) |
| Bonding strength to concrete | >2 N/mm ² (7 days) |
| Application temperature | +10°C to +40°C |
| Pot life @ 25°C | 20 min |
| Fully cured at 25°C | 7 days |

APPLICATION GUIDELINES

Preparation of substrate

The mineral based substrates must be sound, clean and dry. The concrete should be free of frost, curing membranes, waterproofing treatments, oil stains, laitance, friable material and dust. If there is a water leakage it must be drained or properly plugged. The surfaces must be dry (moisture content of the concrete should be <4%). In case of low strength concrete (<1.5 N/mm²), the loosen parts of concrete must be broken and the surfaces should be reprofiled with structural repair mortars in

MasterEmaco range. Before the primer application let the repair, mortars cure at least 7 days at 25°C.

MIXING

MasterBrace P 3500 has two parts in pails, produced according to right mixing ratio. Material temperature should be between 15-25°C before mixing. PTB should be added into the PTA without any remaining material in the pail. It should be mixed with using a proper mixer (~300 rpm) for polymer mixing. Mix the parts at least 3 minutes to have a homogenous mixture.

PLACING / APPLICATION

MasterBrace P 3500 should be applied to the concrete surfaces by using a soft roller.

CLEANING

After the application all tools should be cleaned with a proper detergent or solvent such as thinner. **MasterBrace P 3500** can be cleaned with only mechanical abrasion after hardening.

COVERAGE / YIELD

Approx. 0.3-0.45 kg/m² depending on surface porosity.

WATCHPOINTS

- **MasterBrace FIB** application should be done by approved trained experts.
- During the application the substrate and ambient temperature should be between 10-40°C. For higher temperatures, please contact Master Builders Solutions Technical Services.
- Resinous materials pot life and curing times vary depending on the relative humidity, substrate and ambient temperature. Reaction gets slow in low temperatures, and it causes to extension on pot life and working time. On the other hand, high temperatures speed up the reaction, which results to short pot life and working time. For full curing of material, both the substrate and ambient temperature shouldn't be under allowed application temperature.
- Do not add any solvent etc. into the mixture during the application.

MasterBrace[®] P 3500

- The amount of mixed resin should be such that it may be applied within its useful workability time.
- Mixing should be made with proper mixers and do not allow mixing by hand.

STORAGE AND SHELF LIFE

Store in original container in cool (5 to 25°C) and in dry conditions. Shelf life is 12 months when properly stored in unopened containers.

HEALTH AND SAFETY

It is dangerous to get close to the store areas with fire. The store must be well ventilated.

Work clothes, protective gloves, glasses and mask defined in Labour Laws must be used during the application. Avoid from material to contact with skin and eyes. In case of contacting wash your skin with water and go to doctor immediately.

Don't bring any food and drink to the application area. Store the material away from the children. For further information, Material Safety Data Sheets should be read.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC Group in many countries.

MBS_CC-UAE/Br_P3500_07_17/v1/09_19/v2/07_23

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

Master Builders Solutions
Construction Chemicals LLC
P.O. Box 37127, Dubai, UAE
Tel: +971 4 8090800
www.master-builders-solutions.com/en-ae



A brand of
MBCC GROUP

Disclaimer: the TUV mark relates to certified management system and not to the product mentioned on this datasheet