

# MasterBrace P 3500

## Epoxy based primer for MasterBrace FIB System

### MATERIAL DESCRIPTION

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

### FEATURES AND BENEFITS

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

### PACKAGING

**MasterBrace P 3500** is supplied in 5kg units.

### TYPICAL PROPERTIES\*

Colour	Clear
Mixed density	1.09kg/litre
Viscosity @ 25°C	3.5poise
Flexural strength EN 196	>65N/mm <sup>2</sup> (7 days)
Bonding strength to concrete	>2N/mm <sup>2</sup> (7 days)
Application temperature	+10°C to +40°C
Pot life @ 25°C	20 minutes
Fully cured at 25°C	7 days

### APPLICATION PROCEDURE

#### 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 (<1.5N/mm<sup>2</sup>), 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. Part B should

be added into the Part A without any remaining material in the pail. It should be mixed with using a proper mixer (~300rpm) for polymer mixing. Mix the parts at least 3 minutes to have a homogenous mixture.

#### Application:

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

### THEORETICAL COVERAGE

Approx. 0.3-0.45kg/m<sup>2</sup> 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.
- 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.

### 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.

### STORAGE

Store in original container in cool (5 to 25°C) and in dry conditions.

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### SHELF LIFE

Twelve months when properly stored in unopened containers.

### HEALTH AND SAFETY PRECAUTIONS

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.

### NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

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### QUALITY AND RESPONSIBLE CARE

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\* Properties listed are based on laboratory controlled tests.

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