

MasterBrace® P 3500

Epoxy primer for MasterBrace Laminate system

MATERIAL DESCRIPTION

MasterBrace P 3500 is a two component solvent-less epoxy penetrating medium viscosity primer.

AREAS OF APPLICATION

For use as a primer for the concrete prior to the use of the **MasterBrace 4000** adhesive when used in conjunction with **MasterBrace Laminates** and for **MasterBrace** sheets and **MasterBrace 4500** saturant.

CHARACTERISTICS AND BENEFITS

- **Excellent adhesion to concrete substrate** – ensures transfer of loads.
- **Solvent free** – low VOC and non-shrink.
- **Pre-packaged** – avoids on site errors ensuring quality control.
- **Cures at low temperatures** – suitable for a range of climates.

PROPERTIES

| | |
|--|------------------------------|
| Bonding to concrete, pr EN 1542 (direct) | > 3.5 MPa (concrete failure) |
| Ultimate elongation, ASTM D638 | 3% |
| Tensile strength: | |
| direct, ASTM D638 | >12 MPa |
| by flexing, ASTM D790 | >24 MPa |
| Modulus of elasticity: | |
| tensile, ASTM D638 | >700 MPa |
| flexural, ASTM D790 | >580 MPa |
| Composition | Two-part Epoxy resin |
| Solids by volume | 100% |
| Mixing ratio by volume: | 3 ; 1 (A:B) |
| Specific gravity (mixed) | 1.08 ± 0.024 kg/L |
| Colour | Transparent |
| Overall thickness | 150 micron |
| coverage approximately- | 6m ² /L |
| Recommended layers | 1 |
| Pot life | |
| 7°C | 1 hour |
| 23°C | 35 min |
| 32°C | 25 min |
| Tack-free | |
| 7°C | 9 hours |
| 23°C | 5 hours |
| 32°C | 3 hours |

APPLICATION

Surface preparation

Remove all grease, oil, dust residual curing compound, mould release agent or other contaminants that could impair adhesion.

Spalled concrete should be cut back to sound concrete and made good suitable **MasterEmaco** repair products. Laitance should be removed preferably by captive shotblasting or hydro-jetting. Mechanical wire brushing may be appropriate for small areas. A surface profile of CSP 3-4 is desired

Mixing

Mechanically mix Part A before adding Part B. When component B has been added, mix for approximately 2 minutes until a homogenous mix has been obtained.

Application of MasterBrace P 3500.

Apply **MasterBrace P 3500** by brush or roller to the prepared substrate at a coverage of 6m²/L. If using as a primer for the MasterBrace sheet system apply the **MasterBrace 4500** whilst the **MasterBrace P 3500** is still tacky.

MasterBrace 4000 laminate adhesive should be applied to the **MasterBrace P 3500** while it is still tacky. Do not allow to become tack free before application of the **MasterBrace 4000**. Otherwise, sand seed the **MasterBrace P 3500** whilst wet and apply **MasterBrace 4000** within 48 hours.

For further details see the Application Guide.

ESTIMATING DATA

Typical consumption of 4-6 m² per L.

| MasterBrace P 3500 Wet Film Thickness | | | | |
|---------------------------------------|---------------------------------|----------------|-----------------------|------------------------------|
| L | Thickness in mm /m ² | m ³ | pails /m ³ | m ² /mm thickness |
| 5 | 5mm | (0.005) | 200 | 5 m ² |

PACAKING

MasterBrace P 3500 is available in a 5L packs of 3.75L Part A and 1.25L Part B.

SHELF LIFE

MasterBrace P 3500 can be stored in tightly closed original containers for 24 months at a moderate temperature.

PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.

MasterBrace[®] P 3500

Epoxy primer for MasterBrace Laminate system

DISCLAIMER

MasterBrace-P3500-ANZ-V15-1220

STATEMENT OF RESPONSIBILITY The technical information and application advice given in this MB Solutions Australia Pty Ltd 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 and for ensuring that the application and use of the product is in accordance with the manufacturer's guidelines and recommendations.

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

| | | |
|--|---|--|
| <p>MB Solutions Australia Pty Ltd ABN 69 634 934 419 11 Stanton Road Seven Hills NSW 2147</p> <p>Freecall: 1300 227 300 www.master-builders-solutions.com/en-au</p> | <p>MB Solutions New Zealand Ltd 45C William Pickering Drive Albany, Auckland New Zealand</p> <p>Freecall: 0800 334 877</p> | <p>Emergency Advice: 1300 954 583 within Australia (24hr) 0800 001 607 within New Zealand</p> |
|--|---|--|