

MasterBrace P 3500[®] (formerly known as MBrace primer)

Epoxy Primer for MasterBrace Laminate System

DESCRIPTION

MasterBrace P 3500 is a two component solvent-less epoxy system which when mixed yields a penetrating medium viscosity primer

RECOMMENDED USES

For use as a primer prior to the use of the **MasterBrace 4000** adhesive when used in conjunction with **MasterBrace Laminates**.

FEATURES 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

Adhesion strength on glass fibre, MPa (ASTM D4541:95e1)	2.62
Adhesion strength on carbon, MPa(ASTM D4541:95e1)	2.87
Tensile strength, MPa (ASTM D638:00)	35
Tensile strain at yield, % (ASTM D638:00)	1.8
Tensile modulus, MPa (ASTM D638:00)	2,097
Flexural strength, MPa (ASTM D790:01)	55
Flexural modulus, MPa (ASTM D790:01)	1,672
Compressive strength, MPa (ASTM D695:96)	73
Compressive modulus, MPa (ASTM D695:96)	2,320
Generic Type	: 100% solids amine-cured liquid epoxy.
Colour :	Part A Amber
	Part B Clear
	Mixed Amber

VOC Content :	3.22% from test
	1.49% (SS5: Part B2)
Flash point (Pensky-Martens closed cup) Primer Part A & Part B	95°C
Mixing ratio : by volume	1.67 to 1
By weight	100 to 60
Weight/Volume	Part A 1.139 g/L
	Part B 1.096 g/L
	Mixed 1.120 g/L
Mixed viscosity : Temperature	Viscosity
	10°C 200 cps
	25°C 400 cps
	32°C 1,200 cps
Working Time, based on 3.8L sample	
Temperature	25oC
Pot-Life	70 min

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 light sweep blasting or hydro-jetting. Mechanical wire brushing may be appropriate for small areas. Apply **MasterBrace P 3500** as primer using roller or brush and wait until dry for the adhesive application

Mixing

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

Application of MasterBrace P 3500



The Chemical Company

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Apply **MasterBrace P 3500** by brush or roller to the prepared substrate at a coverage of 4-6m²/Kg. Allow to become tack free before application of the **MasterBrace 4000**.

ESTIMATING DATA

Typical consumption of 4-6 m² per Kg

PACKAGING

MasterBrace P 3500 is available in 1 and 5kg packs

SHELF LIFE

MasterBrace P 3500 can be stored in tightly closed original containers for 12 months at a moderate temperature.

PRECAUTIONS

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

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF 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 BASF either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF, are responsible for carrying out procedures appropriate to a specific application.

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