



The Chemical Company

MBRACE[®] PUTTY

Putty for preparation of uneven substrates prior to the application of MBrace[®] FRP 'Laminate' System

Description of Product

MBRACE[®] PUTTY is the putty recommended for the making good of uneven or pitted substrates prior to application of FRP laminate system.

Fields of Application

For use as a repair putty when substrates are in poor condition.

- Repair of holes, gauges, scrapes
- For the filling of blow holes
- For levelling uneven surfaces

Features and Benefits

- High Strength
- Non-Slump
- Strong Adhesion
- Chemical Resistant
- Impact Resistant
- Non Shrink
- Epoxy Based
- Easy to use

Supplied in pre-weighed units

Technical Data/Typical Properties

Performance of MBRACE [®] PUTTY	
Composition	Two component epoxy based adhesive
Colour	black
Specific Gravity @ 20°C	1.60
Compressive strength	>50 MPa
Flexural strength	>25 MPa
Full Cure 25°C	3 to 5 days
Bonding, ASTM D4541	
▪ Concrete	>3.5 MPa
▪ Steel	> 5 MPa
Pot Life @ 25°C	30 mins
40°C	15 mins
Cure Rate @ 25°C	5 hours
40°C	2 hours
Full Cure @ 25°C	5 days
40°C	3 days

Application Procedure

MBRACE[®] PUTTY is an epoxy repair material which should be used to level out/fill in any small holes or gauges found in the substrate prior to the installation of MBRACE[®] FRP system.

For larger repairs the cementitious range of concrete repair products should be used.

Remove oils, grease, dust or any other loose materials from the surface.

Apply a coat of MBRACE[®] PUTTY using a putty knife. Filling all voids, scrapes and holes. To obtain a smooth surface prior to the application of the adhesive the putty can be sanded down. (The putty should be left 24 hours before sanding.)

Mixing

Mechanically mix component A before adding component B (mixing ratio 2A: 1B by weight).

When component B has been added, mix for approximately 3 minutes until a smooth mix has been obtained.

Clean up.

Cleaning

Tools must be cleaned immediately after use with FEB CLEANING SOLVENT.

Curing

MBRACE[®] PUTTY will cure at temperatures as low as 5°C although at lower temperatures cure is retarded.



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Coverage

An 8.00 kg pack is sufficient to cover 1m² at 2.5mm thickness

Packaging

Available in 8.00 kg units

Storage

Store at ambient temperatures in cool, dry warehouse conditions in manufacturer's sealed containers.

Shelf Life

Up to 12 months if stored according to manufacturer's instructions.

Watchpoints

Surfaces exposed to U.V. rays should be protected within two days (maximum seven days) with the special product from the MASTERSEAL[®] line in order to ensure perfect bonding between the protective layer and FRP.

BASF Construction Chemicals (UK) Ltd

PO Box 4

Earl Road

Cheadle Hulme

Cheadle

Cheshire

SK8 6QG

Tel: +44 (0) 161 485 6222

Fax +44 (0) 161 488 5220

www.basf-cc.co.uk



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Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Solvent Based Products

Use in well ventilated areas; avoid inhaling. Suitable respiratory equipment may be needed, eg when spraying. Can cause skin, eye irritation. Wear protective eye shields and gloves during use. Do not smoke or allow sparks or naked lights when stored or in use.

Powder Products

Should be handled to minimise dust formation; use light mask if excessive dust unavoidable. Cement powders when wet or moistened can cause burns to skin and eyes, which should be protected during use.

Resin Products

Can cause irritation, dermatitis or allergic reaction. Use protective equipment particularly for skin and eyes. Use only in well ventilated areas.

Spillage

Chemical products can cause damage; clean spillage immediately.

DISCLAIMER

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