



constructive solutions

Fosroc Plasteroc MPR

Prebagged high build multi purpose render

Uses

For application as either a high build internal or external crack resistant plaster.

Advantages

- Internal shrinkage control mechanism
- High build in single pass
- May be hand or machine applied
- Permits a high quality finish to be obtained
- Long life plastic packing

Description

Plasteroc MPR is a premixed sand/cement render which incorporates blended cements, lime, graded sands, performance enhancing additives with shrinkage control products.

Specification

Where shown on the contract documents, the plaster shall be Plasteroc MPR supplied by Fosroc. The cured product shall have drying shrinkage of <300 microstrain @ 7 days and <500 microstrain @ 28 days.

Properties

Form

Compressive strength	:	20N/mm ² @ 7 days 25N/mm ² @ 28 days
Drying shrinkage (ASTM C157-93)	:	microstrain <300 @ 7 days microstrain <500 @ 28 days

Instructions for use

Preparation

The substrate shall be made free of coatings, laitence, oil, grease, dust or any other deleterious substances.

Sufficient clean water shall be sprayed on to the substrate to achieve a "saturated, surface dry" condition immediately prior to commencing application work.

Highly absorbent surfaces (aerated blocks, calcium silicate blocks etc.) shall be primed with Nitobond SBR diluted with water at a 1:1 ratio.

Cast concrete surfaces shall be roughened to provide a mechanical key prior to rush coat and plaster application.

Application

The substance should be prepared in such a manner as to provide a sound mechanical key. If so required, the substrate may be primed with a rush coat made by mixing sufficient water with a 20 kg bag of Plasteroc MPR to produce a thin slurry. The rush coat shall be applied at a thickness of between 1mm - 4mm and allowed to set for 48 hours prior to the application of the plaster.

To mix the plaster, charge a mechanical mixer with 2 to 2.5 litres of water per 20 kg bag of product and slowly add the Plasteroc MPR. Mixing shall continue for a minimum period of 3 minutes or any such longer period as required. Alternatively a plaster mixer pump with automatic water feed may be employed.

When mixed Plasteroc MPR may be applied to the substrate either by pump or trowel as appropriate. An application thickness of up to 50 mm may be achieved in a single pass if required. Higher build single pass applications may be achieved if projection spray equipment is employed.

Plasteroc MPR may be finished using all conventional plastering tools and finishing techniques.

Curing

Plasteroc MPR, in common with all cementitious products, should be cured immediately on completion of application using wet curing techniques. Alternatively, Plasteroc MPR may be sprayed with Fosroc Rendercure if any subsequent coating to be applied is acrylic based.

Cleaning

All tools and equipment shall be cleaned immediately after use with water.

Limitations

Plasteroc MPR should not be applied when the temperature is below 5°C or above 45°C.

To prevent desiccation when applying thin sections in mid summer it is recommended that such applications should be shaded.

Technical support

Fosroc offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

Fosroc Plasteroc MPR

Estimating

Supply

Plasteroc MPR	: 20 kg bag
Rendercure	: 1 litre pack

Yield

Plasteroc MPR	: 12.25 litres per bag
Rendercure	: 1 litre pack

Storage

12 months if stored in original unopened packs in a cool dry environment with low humidity. Any change to the recommended storage conditions could reduce shelf life.

Precautions

Health and safety

Plasteroc MPR contains cementitious powders which, when mixed with water or upon becoming damp, release alkalis which can be harmful to the skin.

During use, avoid inhalation of the dust and contact with the skin or eyes. Wear suitable protective clothing - eye protection, gloves and respiratory equipment (particularly in confined spaces).

The use of barrier creams to provide additional skin protection is also advised. In case of contact with the skin, rinse with plenty of clean water, then cleanse thoroughly with soap and water.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately - do **not** induce vomiting.

Fire

Plasteroc MPR is non-flammable and thus presents no fire hazard.

For further information, please refer to the Product Material Safety Data Sheet for Plasteroc MPR.

Additional Information

Fosroc manufactures a wide range of complementary products which include :

- waterproofing membranes & waterstops
- joint sealants & filler boards
- cementitious & epoxy grouts
- specialised flooring materials

Fosroc additionally offers a comprehensive package of products specifically designed for the repair and refurbishment of damaged concrete. Fosroc's 'Systematic Approach' to concrete repair features the following :

- hand-placed repair mortars
- spray grade repair mortars
- fluid micro-concretes
- chemically resistant epoxy mortars
- anti-carbonation/anti-chloride protective coatings
- chemical and abrasion resistant coatings

For further information on any of the above, please consult your local Fosroc office - as below.

* Denotes the trademark of Fosroc International Limited

† See separate data sheet



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Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. **All Fosroc datasheets are updated on a regular basis. It is the user's responsibility to obtain the recent version.**

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