

MAPEWALL GPR

General purpose render for internal and external use



WHERE TO USE

MapeWall GPR is suitable for rendering and levelling internal and external masonry substrates, in thicknesses up to 15 mm per layer, up to an overall maximum thickness of 40 mm.

MapeWall GPR enables surfaces to be finished with products from the MAPEI range of coatings.

Some application examples

- Smoothing walls.
- Dubbing out mortar.
- Render only with sponge finish.
- Render only with silicone and mineral finishes.

TECHNICAL CHARACTERISTICS

MapeWall GPR is a grey powder composed of cement, selected aggregates and special synthetic resins, which when mixed with water provides a render that is easy to apply on suitably prepared masonry substrates.

MapeWall GPR can be applied by hand or with a rendering spray machine.

RECOMMENDATIONS

MapeWall GPR must never be used on gypsum or gypsum-based surfaces.

APPLICATION PROCEDURE

TECHNICAL INFORMATION FOR APPLICATION	
Composition of mix:	25kg of Mapewall GPR 5.0-5.5 litres of clean water
Thickness per layer:	10 - 15 mm
Maximum thickness:	40 mm
Application temperature range:	Surrounding temperature and substrate temperature from +5°C to +35°C
Pot life:	1 hour
Waiting time before painting:	more than 7 days

Preparation of the substrate

The substrate must be compact, free of dust, oil, grease and paints.
If in doubt please contact MAPEI Technical Services dept.

MapeWall GPR can be applied to damp substrates; however the drying time will be extended. Highly absorbent or poorly keyed surfaces must be dampened down or a suitable primer applied.

Preparing the mix

MapeWall GPR should be mixed with clean water and stirred until smooth using a mechanical paddle mixer.

MapeWall GPR is suitable for application with rendering spray machines.

One 25 kg bag of **MapeWall GPR** should be mixed with between 5.0 and 5.5 litres of clean potable water and the mixed product remains usable for 1 to 3 hours.

Instructions for the preparation of the mortar to create samples for Lab testing are contained in the **TECHNICAL DATA** table.

Applying the mix

Apply by trowel or machine. Uneven substrates may require a first coat to build out the thickness required. Level off with a straight edge or darby. The system can be reinforced with MAPEI **Mapetherm Net** to help prevent cracking. When **Mapetherm Net** is applied, it must be embedded in the top third of wet **Mapewall GPR** then level off with a straightedge or darby. It is inadvisable to apply in direct sunlight or when the temperature is below +5°C and falling or above +30°C. The render can be finished with products from MAPEI range, allow sufficient drying time before application. Drying times may vary depending on relative humidity at the time of application.

CLEANING

Tools can be cleaned with water before the product dries.

CONSUMPTION

25 kg of **MapeWall GPR** will cover an average of 1.5 m² at 10 mm thick or each 1.6 kg of material will cover 1 m² per mm of thickness.

PACKAGING

MapeWall GPR is supplied in 25 kg bags.

STORAGE

MapeWall GPR in its original unopened packaging can be stored in a dry area for a maximum period of 12 months.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.co.uk.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Definition according to EN 998-1:

GP

Consistency:

powder

Colour:

grey

TECHNICAL INFORMATION FOR THE PREPARATION OF THE PRODUCT

Composition of mix:	100 parts in weight of Mapewall GPR with 21 % of water.
Preparation of mix:	mixing according to EN 1015-2

CHARACTERISTICS OF FRESH MIX (at +20°C - 50% R.H.)

Colour of mix:	grey
Consistency of mix:	very pasty
Density of mix:	1830 kg/m ³

FINAL PERFORMANCE

According to curing times defined in test methods

Performance characteristic	Test method	Requirements EN 998-1 GP – CS III	Product performance
Compressive strength:	EN 1015-11	CS I (from 0,4 to 2,5 MPa) CS II (from 1,5 to 5,0 MPa) CS III (from 3,5 to 7,5 MPa) CS IV (≥ 6 MPa)	Category CS III
Adhesion to the substrate:	EN 1015-12	declared value and failure mode (FP)	0,4 MPa (FP) = B
Water absorption due to capillary action:	EN 1015-18	W _C 0 not specified W _C 1 $\leq 0,40$ kg/(m ² ·min ^{0,5}) W _C 2 $\leq 0,20$ kg/(m ² ·min ^{0,5})	Category W _C 2
Water-vapour permeability coefficient (μ):	EN 1015-19	Declared value	$\mu \leq 18$
Thermal conductivity ($\lambda_{10,dry}$):	EN 1745	Declared tabulated value	0,67 W/m·K (P = 50%)
Resistance to alkalis:	-	Not required	excellent
Temperature range when in use:	-	Not required	from -30°C to +90°C
Reaction to fire:	EN 13501-1	Euroclass	A1

N.B.

Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is therefore important that the end users satisfy themselves that the product and conditions are suitable for the envisaged application. No warranty can be given or responsibility accepted other than, that the product supplied by us will meet our written specification. End users should ensure that our latest product data and safety information sheets have been consulted prior to use. Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.co.uk

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