

RENDERPROOF

Renderproof is a waterproofing and plasticising cement render additive, designed for use in internal and external render coats following the insertion of a damp-proof course, such as Ultracure Damp-proofing Cream.

WHERE TO USE

After an application of a DPC such as **Ultracure Damp-proofing Cream**. Areas where efflorescent salts are present and must be prevented from harming the plaster finish

TECHNICAL CHARACTERISTICS

- Easy application
- Can be used on all types of masonry
- Reduces pore size in render to prevent passage of water
- Can cover large areas in a single working application
- Highly concentrated: 1-part Renderproof to 24-parts water
- Prevents passage of residual ground salts which are harmful to plaster finishes
- Vapour permeable allowing the walls to breath
- Apply to surface-dry walls

APPLICATION PROCEDURE

Preparation of the substrate:

1. Masonry joints should be raked out and all surfaces thoroughly cleaned to remove dust or other friable material.
2. All traces of previous plaster must be removed. Any organic matter (including timber fixings) must be removed
3. Where appropriate, fixing points which necessitate cutting into the background must be prepared.
4. High suction surfaces should be thoroughly wetted or primed using **SBR Latex**.
5. **SBR Latex** can also be used to provide a mechanical key on smooth, dense surfaces.
6. Where very high levels of salt contamination are present, or suspected, further preparation with **Wykamol Salt Neutraliser** may be necessary before application commences. Consult the Technical Department if the extent or nature of the salt contamination is unclear

Mixing:

The constituents of a mix should conform to the following descriptions:

- Ordinary Portland Cement (OPC) to BS EN 197-1:2011
- Aggregate-clean, sharp, washed sand. The sharpest sand available, suitably graded for plastering, should be used to conform to BS EN 13139:2002
- Water - Fit for drinking (potable) and free from organic matter.

Backing Coat Mix:

A mix of 3 parts by volume of washed, sharp sand to 1 part of Ordinary Portland Cement, gauged with potable water containing 1-part **Renderproof** to 24 parts of water. Note: The amount of gauging water in the undercoats should be the minimum consistent with reasonable application. See gauging water table below.

Float Coat Mix:

A mix of 4 parts by volume of washed, sharp sand to 1 part by volume of Ordinary Portland Cement gauged with potable water containing 1-part **Renderproof** to 24 parts of water.

Renderproof	Gauging Water : Cement
1 litre	24 litres in dry sand per 50 kg cement
5 litre	120 litres in dry sand per 250 kg cement
25 litre	600 litres in dry sand per 1250 kg cement

Application:

Backing Coat:

Apply the plaster to a thickness of 10-12 mm. The backing coat should finish at least 50 mm above the solid floor and must not bridge the damp-proof course. The surface should be scratched as it begins to set, to give a good key for subsequent coats.

Float Coat:

The plaster should be applied to a thickness of 8-10 mm in the same areas as the backing coat.

Subsequent Coats:

No more than two plaster coats should be applied in one continuous working process. If a greater final thickness is required:

1. The first coats should be scratched and left to cure for 7-14 days.
2. Apply **SBR Latex** as a primer before proceeding. Allow to become tacky to touch.
3. The sand/ cement undercoats should be scrape finished and mist sprayed for the first 48 hours to reduce the risk of shrinkage and cracking.

Application Conditions and Limitations:

Under no circumstances should Gypsum based plasters be used for the backing or float coat, nor should it be added to the mix of either coat. **Renderproof** is not suitable for use in lime-based mixes or mixes with a lower cement content than recommended in this datasheet. The recommended sand and cement mix can be used to 'dab' any angle beads etc. to avoid salting. Care should be taken to avoid dropping plaster or other debris through the gap between the wall and the edge of any suspended floor. Debris such as this can bridge a damp-proof course.

Curing and Ventilation:

A minimum of 24 hours curing time must be allowed after application of the float coat, even under ideal curing conditions.

Overcoating and finishing:

A finishing coat of **Wykamol High Impact Finish** should be applied to complete the system. Please see the relevant datasheet for application instructions. Ideally the replastering should be undertaken to surface-dry walls, and a drying period of at least 14 days should be allowed between installation and re-plastering, wherever possible.

Decorating:

Initial decoration should be delayed as long as possible and should not be applied within 14 days of the finish plaster coat. Breathable paints must be used on top of any plaster finish. If redecoration is to occur 12 months after the DPC installation, non-breathable finishes may be considered (such as wallpaper). However, the moisture content of the plaster and background must align with the supplier's recommendations for the chosen finish.

CLEANING

All tools should be cleaned with water immediately after use

PACKAGING

Renderproof is supplied in a 5-litre or 25-litre PCR jerry can.

STORAGE

Store off the ground and in dry, frost-free conditions. Shelf life is 12 months when unopened, undamaged and stored correctly.

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

PRODUCT IDENTITY	
Type	Chemical
Colour	Pink
Cure time (2 coats or less)	24 hours
Cure time (more than 2 coats)	7-14 days before additional coats
Application temperature range	+5°C and +25°C
Ready to re-plaster	14 days
Ready to receive finish	Breathable – 14 days
	Non-breathable - 12 months

Tests are conducted in laboratory conditions, and results may vary on-site based on ambient conditions.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product. Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.co.uk

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