

TECHNICAL DATASHEET

RENDER PROOF Additive

Renderproof is designed for use in internal and external render coats following the insertion of a damp proofing course, such as Ultracure or Siliconate K.



RenderProof is a waterproofing and plasticising, cement render additive for use following the insertion of a damp proof course and other waterproofing applications and is BBA approved.

RenderProof minimises the passage of liquid water through the pore structure of cement renders, thereby preventing the transfer of salts to the surface.

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.

ADVANTAGES

- Easy to use and BBA approved.
- Can be used on all types of masonry.
- Reduces pore size in render to prevent passage of water.
- Cover large areas in a single working application.
- Highly concentrated: 1 part renderproof for 24 parts water.
- Prevents passage of residual ground salts which are harmful to plaster finishes.
- Vapour permeable allowing the walls to breath.
- Covers large area in a single application process.

TYPICAL USES

- After an application of a DPC such as Ultracure or Siliconate K
- To prevent residual efflorescent salts from harming plaster finish

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SUBSTRATE PREPARATION

Masonry:

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

MIXING

Backing Coat:

A mix of 3 parts by volume of washed, sharp sand to 1 part of cement, gauged with potable water containing 1 part of Renderproof with 24 parts of water. The constituents of mixes should conform to the following descriptions:

1. Ordinary portland Cement (OPC) to BS EN 197-1:2011
2. Aggregate-clean, sharp, washed sand. The coarsest, sharpest sand, suitably graded for plastering, should conform to BS EN 12620:2002
3. Water - Fit for drinking and free from organic matter.

Note: The amount of gauging water in the undercoats should be the minimum consistent with reasonable application.

Float Coat:

A mix of 4 parts volume of washed, sharp sand to 1 part by volume of Ordinary Portland Cement.

Pack Size	Gauging Water
1 Litre	24 Litres in dry sand per 50 Kg of cement
5 Litre	120 Litres in dry sand per 250 Kg of cement
25 Litre	600 Litres in dry sand per 1250 Kg of cement

APPLICATION

Backing Coat:

The plaster should be applied 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.

Care should be taken to avoid dropping plaster or other debris through the gap between the wall and the edge of any suspended floor. 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 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.
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.



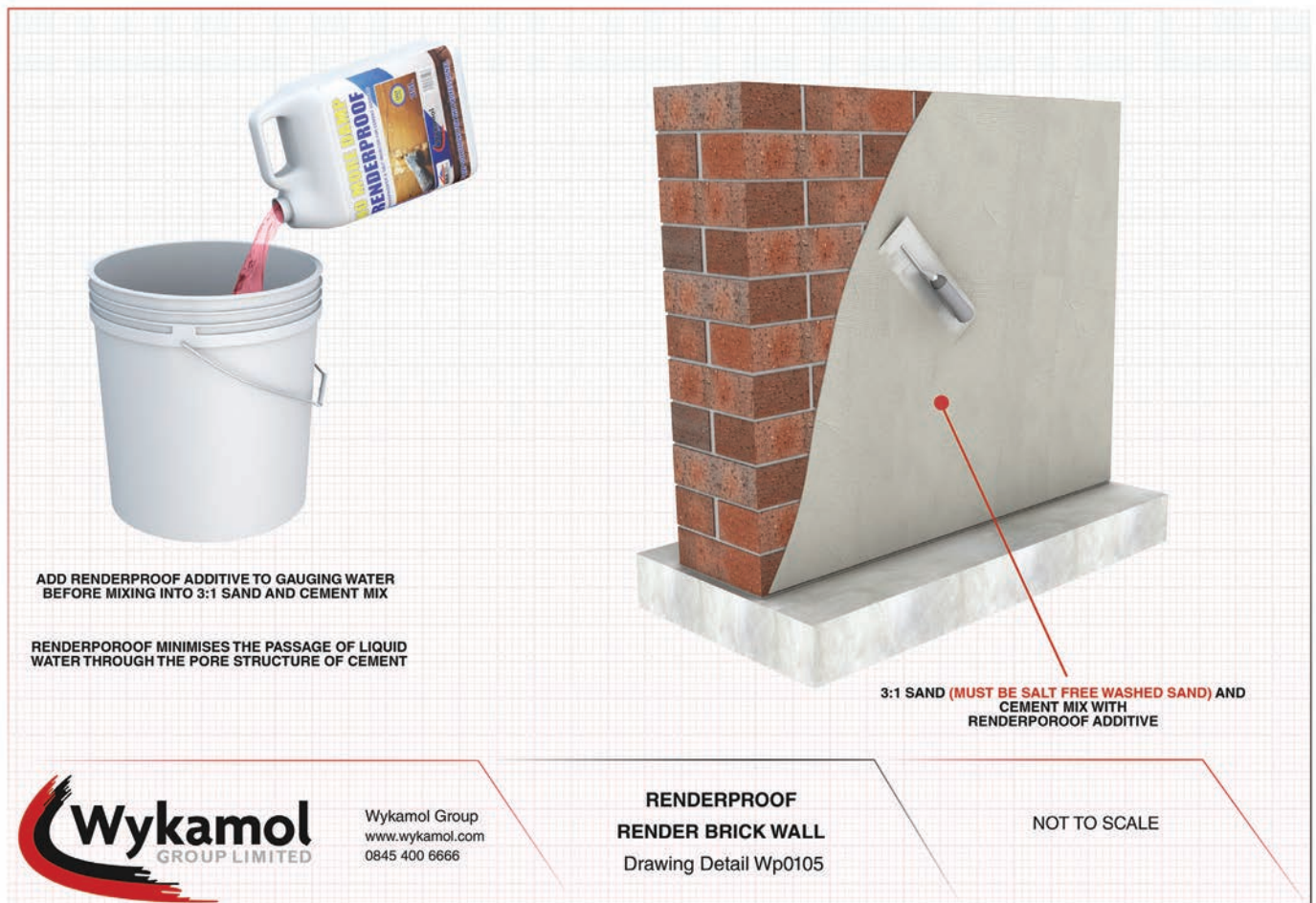
CONDITIONS & LIMITATIONS

Under no circumstances should Gypsum based plaster 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.

The recommended sand and cement mix can be used to to 'dab' any angle beads etc. to avoid salting.

RENDERPROOF ADDITIVE



CURING & VENTILATION

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

CLEANING EQUIPMENT

All tools should be cleaned with water immediately after use.

FINISHING

A finishing coat of High Impact Finish should be applied to complete the system. Please see the relevant Technical Datasheet for application instructions.

DECORATION

Initial decoration should be delayed as long as possible and should not be applied within 14 days of the finish plaster coat.

Temporary decoration should be limited to a vapour permeable finish such as a breathable paint. Final decorations which reduce permeability, such as papers and oil paints, should not be applied until the walls have dried out, with at least 12 months being allowed following temporary decoration (for typical 225 mm brickwork walls).

Drying times for thicker walls may extend to several years and will depend, in part, on the level of winter time heating etc. If impermeable decorative finishes are to be applied, in such situations an alternative approach to re-instatement may be considered, involving the use of vapour impermeable 'air-gap' membranes.

PROPERTIES

Technical Data	
Colour	Pink
Hazard Classification	Renderproof is classified as 'Corrosive' according to the UK CHIP Regulations 4 (2009). Further information on risk assessments etc is available in our Safety Data Sheet.

PACK SIZE AND COVERAGE

Pack Size	Product Code
1 Litre	RENDERPROOIL1L
5 Litre	RENDERPROO5L
25 Litre	RENDERPROO25L

STORAGE & SHELF LIFE

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

HEALTH AND SAFETY

For further information and advice, please contact the Wykamol Technical Department and consult the safety data sheet, which is available upon request or can be downloaded from our website.



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