

# Dryzone Hi-Lime Renovation Plaster

## Product Description

**Dryzone Hi-Lime Renovation Plaster** is a breathable plaster blend containing natural hydraulic lime and calcite. The product is used for replastering after rising damp treatment using **Dryzone Damp-Proofing Cream** or **Dryrod Damp-Proofing Rods**, in traditional and heritage buildings.

An environmentally friendly alternative to hard cement renders. The highly effective and breathable renovation plaster has a porous structure which allows walls to dry out by evaporation, achieving a dry decorative surface.

Suitable for use on salt and damp contaminated walls, both internal and external.

## Benefits

- Suitable for use with traditional plasters and older substrates
- Controls dampness & salt migration
- Insulating properties - warm to the touch
- Can be used as a decorative finish
- Breathable - allows wall to dry naturally

## Properties

Appearance	Off-white powder
Size(s) & Packaging	20 kg bags
Coverage <sup>[1]</sup>	1 bag covers 0.8 m <sup>2</sup>
Thermal Conductivity	0.4 W/mK
Reaction to Fire	Class A1
Breathability	$\mu \leq 15$
Bond strength	$\geq 0.1$ N/mm <sup>2</sup>
Storage	The products must be stored in a dry place
Shelf Life	2 years in unopened packaging
Compressive Strength	CS II



### Accreditation



BS EN 998-1:2010 Renovation Plaster

## Application Information

**Dryzone Hi-Lime Renovation Plaster** should be applied in accordance with EN 8481:2006.

## Preparation

Remove the existing plaster up to 30 cm above the highest visible line of the rising damp in accordance with BS 6576. Remove all loose and brittle material which could prevent even adhesion to the surface, ensuring the substrate is clean. In the case of high salt concentration, scrape or brush the wall until the original masonry is visible.

**Dryzone Hi-Lime Renovation Plaster** is compatible with most building materials but is not recommended for use over plasterboard or over walls that have a bituminous coating.

Before beginning, fill in any large cavities in the wall to level the surface using a standard sand and cement or sand and lime mix.

For particularly high suction or dry backgrounds, first wet down the surface using clean water. Do not use other additives such as PVA.

<sup>[1]</sup> Applied in two coats of different thicknesses. See Application Information for full details.

## Mixing

**Dryzone Hi-Lime Renovation Plaster** should be mixed with a drill mixer. Pour 5.5 litres of water into the container, then slowly add Plaster while mixing for 3 - 4 minutes until a smooth and creamy texture is obtained with no lumps.

**Dryzone Hi-Lime Renovation Plaster** is applied in two subsequent layers as follows:

## Rough coat

Apply a rough coat of approximately 5 mm - 10 mm thickness, depending on the final thickness required. This will act as an anchoring layer.

## Plaster coat

Once the rough coat has become sufficiently firm, apply **Dryzone Hi-Lime Renovation Plaster** with a minimum thickness of 15 mm <sup>[2]</sup>. When mixing the plaster for this layer, mix each 20 kg bag with 5 litres of water.

Apply the layer of plaster, levelling it with a simple straight edge or adjusters to maintain the thickness without using excessive pressure on the product. If further material needs to be applied to make it a level surface and if the thickness exceeds 30 mm, apply in a number of layers waiting at least 24 hours between one application and another. Lightly scratch the surface to provide a key for the next coat.

For large areas **Dryzone Hi-Lime Renovation Plaster** can be machine applied, contact our Technical Department for information.

## Finishing

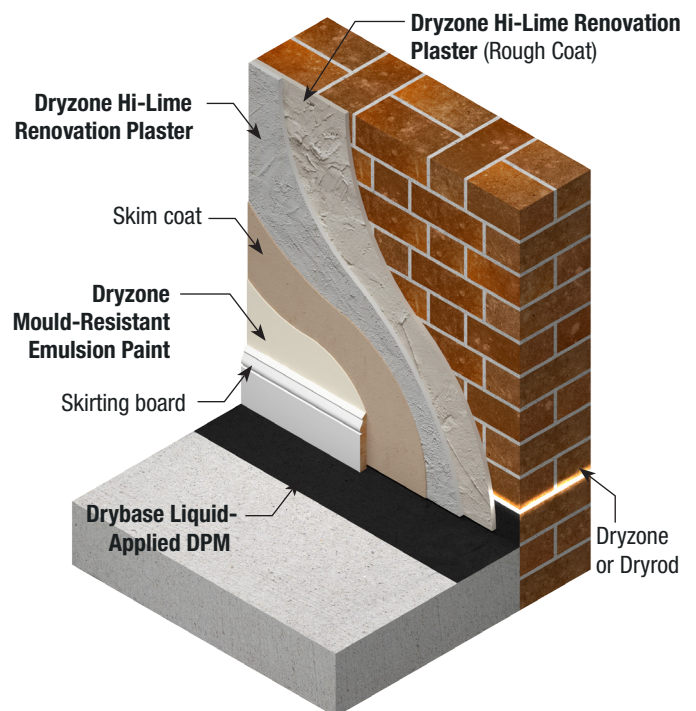
**Dryzone Hi-Lime Renovation Plaster** can be left as a decorative finish. This offers the greatest breathability.

If a skim coat is to be applied, leave the plaster to set for a minimum of 24 hours before applying a standard gypsum skim coat to a thickness of approximately 2 mm. In particularly cold or damp conditions, or for plaster thicker than 20 mm, the drying time of **Dryzone Hi-Lime Renovation Plaster** will be extended and application of the skim coat should be delayed. Rapid drying out of the plaster should be avoided.

Any other finishing is carried out once the curing process is complete, after at least 14 days. Redecorate using a non-vinyl based emulsion paint.



To protect against mould growth that may be caused by condensation **Dryzone Mould-Resistant Emulsion Paint** is recommended.



<sup>[2]</sup> Thinner thicknesses may be used (e.g. when matching in with existing plasterwork) but maximum moisture salt resistance is achieved when the total plaster thickness is at least 25 mm (2 layers).

## Other Information

For health and safety information see the Safety Datasheet (available upon request).

**Dryzone Hi-Lime Renovation Plaster** is produced in accordance with ISO 9001 quality management system. It is compliant with EN 998-1:2010, "Specification for mortar for masonry. Rendering and plastering mortar".

**Dryzone Hi-Lime Renovation Plaster** is non-hazardous to the environment

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