

# Dryzone® Damp-Resistant Plaster

## Product Description

**Dryzone® Damp-Resistant Plaster** is a breathable pre-blended plaster developed to control dampness and salt migration in walls.

The plaster is used as part of the Dryzone® System for replastering after Dryzone® Damp-Proofing Cream or Dryrod® Damp-Proofing Rods have been used to create a remedial damp-proof course.

This highly effective renovation plaster has a porous structure which controls salt migration and allows walls to dry out by evaporation. Suitable for use on salt and damp contaminated walls and provides enhanced salt protection compared with competing products.

## Benefits

- Controls dampness and salt migration
- Breathable – allows wall to dry naturally
- Insulating properties – warm to the touch
- Reduces condensation on walls and retards mould growth
- Prevents rusting of angle beads, conduits etc.

## Properties

Appearance	Off-white powder
Size(s) & Packaging	23 kg bags
Coverage <sup>(1)</sup>	1 bag covers 1 m <sup>2</sup> (at 20 mm thickness)
Thermal Conductivity	0.3 W/mK
Reaction to Fire	Class A1
Breathability	μ ≤ 15
Bond strength	0.3 N/mm <sup>2</sup>
Storage	The products must be stored in a dry place
Shelf Life	6 months in unopened packaging
Compressive Strength	CS II

### Accreditation



BS EN 998-1:2010 Renovation Plaster



## Application Information

**Dryzone® Damp-Resistant Plaster** should be applied in accordance with BS EN 13914-2:2016.

## 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® Damp-Resistant 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.

## Mixing

**Dryzone® Damp-Resistant Plaster** should be mixed with a drill mixer. Pour 4 – 5 litres of water into a container, then slowly add the plaster. Do not add more than a further quarter of a litre of water.

Start mixing the product at low speed to minimise dust generation. As the paste begins to form, the mixing speed can be increased until the product is completely mixed.

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

**Dryzone® Damp-Resistant Plaster** is applied in two layers as follows:

### Rough Coat

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

### Plaster Coat

In the first stage of drying the **Dryzone® Damp-Resistant Plaster** will remain soft to touch. Typically, after a few hours the rough coat will be ready for a second coat. Apply the next layer of **Dryzone® Damp-Resistant Plaster** with a thickness at least 10 – 15 mm<sup>[2]</sup>. When mixing the plaster for this layer, mix each 23 kg bag with 4 – 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. Lightly scratch the surface to provide a key for the next coat. The working time of **Dryzone® Damp-Resistant Plaster** is 30 – 60 minutes depending on temperature and humidity. If the product starts to stiffen, do not attempt to rework or remix.

If a thickness greater than 20 mm is required, this can be built up using subsequent layers of no more than 10 mm, ensuring that the previous coat of plaster is firm and dry before continuing.

### Finishing

Leave 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® Damp-Resistant 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.

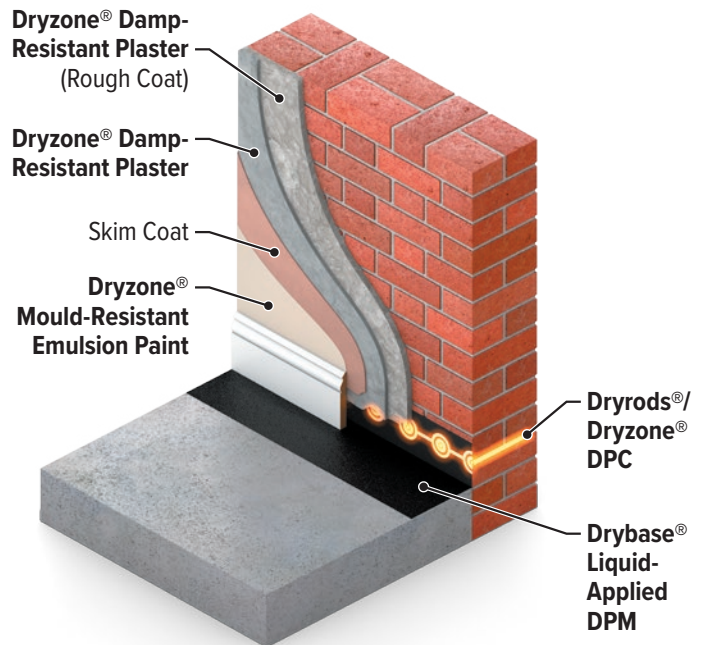
To protect against mould growth that may be caused by condensation **Dryzone® Mould-Resistant Emulsion Paint** is recommended.

### Other Information

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

**Dryzone® Damp-Resistant Plaster** is produced in accordance with ISO 9001 quality management system. It is compliant with BS EN 998-1:2010, “Specification for mortar for masonry. Rendering and plastering mortar”.

**Dryzone® Damp-Resistant Plaster** is non-hazardous to the environment.



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<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 20 mm (2 layers).