

Dryzone® Corkcoat Insulating Plaster

Product Description

Dryzone® Corkcoat Insulating Plaster is an insulating cork-based plaster based on sustainable natural cork and special additives to control dampness and salt migration in walls. The use of sustainably sourced cork results in a low carbon footprint and high insulating properties.

The plaster can be used on its own or 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 insulating cork 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, it provides enhanced salt protection combined with insulating properties.

Accreditation



BS EN 998-1 (T)

Benefits

- Insulation for walls
- Controls dampness & salt migration
- Sustainable cork
- Breathable – allows walls to dry naturally
- Low density – easy to apply because of lighter weight

Properties

Appearance	Grey powder
Size(s) & Packaging	10 kg bags
Coverage	1 bag covers 1 m ² (at 20 mm thickness)
Reaction to Fire	Class B-s1,d0 (with 2 mm gypsum skim)
Thermal Conductivity (λ)	0.05 – 0.1 W/m ² K ^[1]
Breathability	μ ≤ 8
Bond Strength	0.2 N/mm ²
Compressive Strength	1.1 N/mm ²
Salt Resistance (BRE Testing)	Passed – no salt migration
Storage	The product must be stored in a dry place
Shelf Life	12 months in unopened packaging



Application Information

Dryzone® Corkcoat Insulating Plaster should be applied in accordance with BS EN 13914-2:2016.

Preparation

If using after a DPC installation, remove the existing plaster up to 30 cm above the highest visible line of the rising damp or 1m above the DPC line in accordance with BS 6576. Remove all loose and brittle material which could prevent adhesion to the surface, ensuring the substrate is clean and sound. In the case of high salt concentration, scrape or brush the wall until the original masonry is visible.

Dryzone® Corkcoat Insulating Plaster is compatible with most building materials but is not recommended for use over plasterboard or over walls that have a bituminous coating.

For particularly high suction or dry backgrounds, first wet down the surface using clean water. A weak solution of PVA or SBR can be used as a primer for smooth surfaces.

Mixing

Dryzone® Corkcoat Insulating Plaster should be mixed with a drill mixer. For a 10 kg bag of plaster, pour 6 – 8 litres of water into a container, then slowly add the plaster. The lower density means a 10 kg bag should produce a similar volume of plaster to a standard 20 kg bag of plaster.

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. The mix will begin with a low viscosity which can be left to rest for a few minutes.

^[1] University of Cardiff – Provisional

Application

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

When the rough coat becomes firm, typically after 2 – 4 hours apply the next layer of **Dryzone® Corkcoat Insulating Plaster** with a thickness at least 10 – 15 mm.

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 is 30 – 45 minutes depending on temperature and humidity. Therefore, it is recommended to only mix small amounts at a time in warm conditions. 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.

Dryzone® Corkcoat Insulating Plaster is designed to set within 2 – 4 hours at 20°C. In colder temperatures the set will be slower but can be accelerated by using warm water. In hot temperatures the set will be faster and can be slowed using cold water.

Dryzone® Corkcoat Insulating Plaster should only be applied in temperatures above 5°C.

Finishing

Leave to fully set overnight before applying a 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® Corkcoat Insulating Plaster** will be extended and application of the skim coat should be delayed. Rapid drying out of the plaster should be avoided.

Best results will be achieved if the plaster is left to cure for at least 24 – 48 hours prior to applying a skim finish.

Any other finishing is carried out once the curing process is complete, after at least 14 days. Redecorate using a breathable non-vinyl water-based emulsion paint. In particularly damp situations, or for thicker layers of plaster it is advisable to wait longer before repainting, refer to the Safeguard Painting New Plaster Guide for more information.

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

For properties at risk of flooding **Dryzone® Hi-Lime Finishing Plaster** should be used as the final coat.

Other Information

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

Dryzone® Corkcoat Insulating Plaster is produced in accordance with ISO 9001 quality management system.

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