

Breathaplasta is an internal bio composite plaster comprised of lime and organic fibres. It is a high performance alternative to typical plasters such as gypsum or lime and can be installed using the same techniques onto a wide range of backgrounds including boards and masonry.



20kg bags

**Coverage:
5m² at 4mm
thickness**

Description

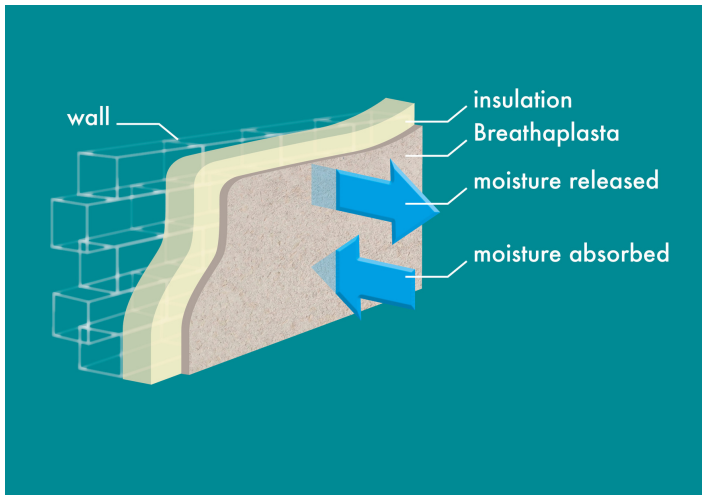
Breathaplasta is a highly breathable plaster product that has been scientifically developed by Adaptavate to regulate internal moisture within a building and improve indoor air quality. Its natural formulation is quick setting, chemical free and highly vapour permeable allowing moisture to freely move and so resists condensation and mould.

Breathaplasta is easy to mix and apply and requires no specialist training. It is a single product plaster solution that is ideal for building up layers to improve thermal performance and for use as a finishing plaster to obtain a smooth surface ready for decorating.

Technical Specification

Min depth of application	4mm (in coats of 2mm)
Max depth of application	50mm (in coats of 10mm)
Density	1200 kg/m ³
Thermal Conductivity (λ)	0.23 W/m.k
Thermal Resistance (R)	0.05m ² .K/W
Water Vapour Resistance Factor (μ)	5 (Dimensionless)
Coverage per 20kg bag	5m ² (Approx.)
Setting Time Per Coat	1 hour (Approx.)

Moisture Buffering Capacity



Surface area required to buffer 1 litre of moisture
4mm plaster thickness

40m²

Surface area required to buffer 1 litre of moisture
8mm plaster thickness

20m²

Surface Preparation

- Consolidate background material so that it is uniformly flat. Dub out uneven masonry
- Porous backgrounds should be moistened with clean water prior to application
- Do not prime walls with PVA solution as this will reduce breathability

How to Mix

- Mix Breathaplasta with clean water only
- Add approximately 11 litres of water to a 20kg bag
- Mixing time for a 20kg bag is 1 minute

How to Apply

Substrate	Preparation	Basic treatment	Secondary treatment	Final treatment
Plasterboard	Scrim all joints	Apply base coat of 2mm		Apply top coat of 2mm
Solid brick wall	Spray substrate with water	Apply 'scratch coat' at 4-8mm. Allow 24 hours to dry before 2nd coat	Apply additional coats at 4-8mm up to a max thickness of 50mm	Apply top coat of 2-4mm
Stone				
Block wall				
Woodfibre board	Spray substrate with water	Apply base coat of 2-4mm	Apply mesh and flatten into plaster	Apply top coat of 2-4mm
Woodwool board				
Painted surface		Consolidate surface & prime with grip coat		Apply Breathaplasta directly onto grip coat
Other surface		Consult with one of the Adaptavate team. Either at info@adaptavate.com or call 01453 827800		

For further information please refer to our Product Installation Guides

This document is not a specification. A sample trial should always be carried out prior to application to ensure background material is compatible. Breathaplasta is not suitable for continuously damp backgrounds. Sources of damp should be investigated and resolved prior to new plaster application.