

# TECHNICAL DATA SHEET (TDS) FOR BREATHAPLASTA

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Uncontrolled if printed



**Breathaplasta is an ultra-breathable blended lime internal plaster well suited to a wide range of substrates. For use in condensation control and to reduce the risk of mould growth in buildings. Breathaplasta contributes to good air quality for a healthy and comfortable living environment.**



**20kg bags**

**Coverage:  
5m<sup>2</sup> at 4mm  
thickness**

## Description

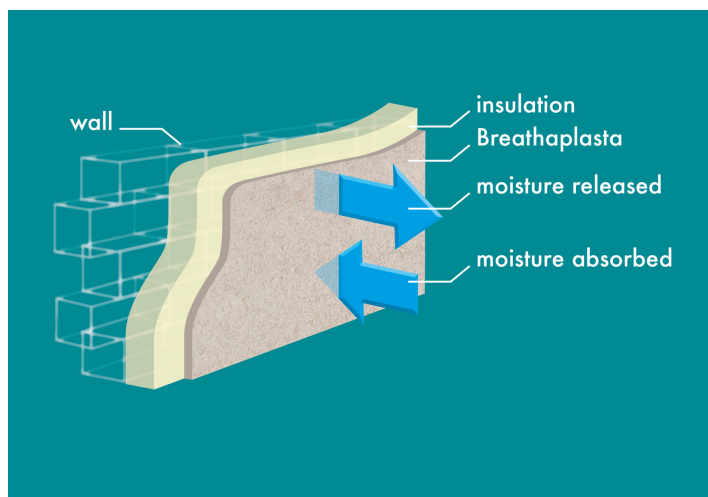
Breathaplasta is an ultra-breathable blended lime plaster product that has been scientifically developed by Adaptavate to provide increased thermal insulation and natural condensation control (absorption and desorption of moisture). This is achieved by the addition of fine hemp plant material to the plaster mix to ensure warmer wall surface temperatures and reduced airborne moisture. Warmer walls and reduced moisture combine to disrupt the formation of condensation and mould growth on wall surfaces.

Easy to mix and apply using standard plastering tools and techniques, Breathaplasta is a quick setting (sets in just 45-60 mins), natural and healthy plaster product.

## Technical Specification

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

## Moisture Buffering Capacity



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

40m<sup>2</sup>

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

20m<sup>2</sup>

## 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 (vapour openness)

## 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 approximately 1 minute - simply mix and then apply.

## How to Apply

Substrate	Preparation	Basic treatment	Secondary treatment	Final treatment
Plasterboard	Scrim all joints and prime with grip coat	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		Email <a href="mailto:info@adaptavate.com">info@adaptavate.com</a> or call 01453 827800 to consult one of the team		

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.