

**Breathaplasta is a quick setting, easy to use, breathable lime plaster.**

**breathAplasta**

### Why use Breathaplasta?

- Improves indoor air quality.
- Reduces risk of condensation and mould.
- Regulates humidity for comfort and health.
- Vapour permeable - allows your home to 'breathe'.
- Faster completion times - reduces labour costs.
- Suitable for a wide range of backgrounds including masonry, wood wool, wood fibre and plasterboard.



**20kg bags**

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

## Product Overview

Breathaplasta is a highly breathable blended lime plaster that increases the thermal insulation of your walls and provides natural humidity regulation for improved indoor air quality. This is achieved by the addition of insulative biomaterial - crop waste - to the blended lime mix.

The inclusion of biomaterial regulates and reduces airborne moisture and increases the surface temperature of walls. Warmer walls and reduced moisture combine to prevent the formation of condensation and mould on wall surfaces. Indoor air quality is improved for healthier spaces.

## Substrates

- Suitable for a wide range of backgrounds incl. all masonry (brick, block and stone), wood wool, wood fibre and plasterboard.
- Substrates must be uniformly flat. Dub out and consolidate uneven masonry.
- Porous backgrounds should be misted with clean water 15-20 minutes before plastering.

## How to Mix

- Add 1 x 20kg bag of Breathaplasta to approximately 10 - 11 litres of clean water.
- Mix using a paddle mixer for at least 60 seconds. Use mixed plaster immediately.

## How to Apply

See substrate specific installation guides.

## Packaging

Available in 20kg sacks  
1 full pallet = 50 bags = 1000kg

## Storage

Store in original packaging.  
Keep warm, dry and raised off the ground.  
Storage time: 6 months in original packaging.

## Coverage per Bag

|                   |                |
|-------------------|----------------|
| 5m <sup>2</sup>   | 4mm thickness  |
| 2.5m <sup>2</sup> | 8mm thickness  |
| 2m <sup>2</sup>   | 10mm thickness |
| 1m <sup>2</sup>   | 20mm thickness |

## Health & Safety

Material Safety Data Sheet on request.

## Technical Data

| Procedure                          | Result   |
|------------------------------------|--|
| Water Addition Rate                | 10.2L per 20Kg bag of dry plaster  |
| Compressive Strength @ 28 Days     | 1.5 Nmm <sup>2</sup>   |
| Compressive Strength @ 3 Months    | 1.8 Nmm <sup>2</sup>   |
| Flexural Strength @ 28 Days        | 0.2 Nmm <sup>2</sup>   |
| Flexural Strength @ 3 Months       | 0.2 Nmm <sup>2</sup>   |
| Water Absorption @ 28 Days         | W0 (mean of 2.5 kg/m <sup>2</sup> ·min <sup>0.5</sup> )  |
| Vapour Permeability @ 28 Days      | 0.88 g/h.m <sup>2</sup> .mmHg  |
| Adhesive Strength @ 28 Days        | 0.1 Nmm <sup>2</sup> – Fracture Pattern B  |
| Fresh Mortar Density               | 1350 Kg.m <sup>3</sup>   |
| Dry Hardened Mortar Density        | 1090 Kg.m <sup>3</sup>   |
| Max Aggregate Size                 | 1mm  |
| Reaction to Fire                   | Euroclass A1   |
| Water Vapour Diffusion Coefficient | 5/20 <sub>μ</sub> (tabulated)  |
| Thermal Conductivity               | 0.27 W/mK (P= 50%, tabulated)  |
| Bond Strength                      | 0.15 Nmm <sup>2</sup> (tabulated)  |
| Durability                         | <i>Until a European Standard method of test is available, the freeze/thaw resistance shall be evaluated and declared to the provisions valid in the intended place of use of the mortar.</i> |

## CE Mark

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| Adaptavate; Brims Park, Old Callywith Road, Bodmin, Cornwall,<br>PL31 2DZ<br><br>19  |
| EN 998-1:2010<br><br>Breathaplasta Universal<br>General purpose plastering mortar (GP) for Internal Use<br><br><b>Reaction to fire:</b> Euroclass A1<br><b>Adhesion:</b> 0.1 N/mm <sup>2</sup> – Fracture pattern B<br><b>Water absorption:</b> W0<br><b>Water vapour diffusion coefficient:</b> μ 5/20 (tabulated)<br><b>Thermal conductivity:</b> 0.27 W/mK (tabulated)<br><b>Durability (against freeze-thaw):</b> evaluation based on provisions valid in the intended place of use of the mortar. |

## Working time of mixed plaster

- After mixing to consistency, Breathaplasta has an open time of approximately 1 hour.
- Do not remix with water any plaster that has started to stiffen after 45-60 minutes.
- Do not use below 5°C.

## Important Notes

- This document is not a specification.
- A small sample trial should always be conducted prior to plastering to ensure background material is compatible.
- Breathaplasta is not suitable for damp backgrounds. Sources of continuous damp should be investigated and resolved prior to new plaster application.
- Forced drying, including commercial MVHR and other large ventilation systems, can result in a less durable surface finish.