



TECHNICAL DATA SHEET (TDS)

A lime-based, fine finishing plaster designed to be a super smooth final surface finish to walls and ceilings.

smooth

20kg bags

COVERAGE:
12m² at 2mm
THICKNESS

Why use Breathaplasta Smooth?

- A lime-based, fine finishing plaster for a super smooth surface finish.
- Fast setting, pre-mixed lime plaster – faster completion times reduce labour costs.
- Vapour permeable – allows water vapour to pass through.
- Reduces problems with condensation and mould.
- High coverage.
- Attractive natural surface finish that's also durable.

Product overview

Breathaplasta SMOOTH is a lime-based, fine finishing plaster designed to be a super smooth final surface finish that is quick and easy to apply onto plasterboard and to overcoat existing plaster surfaces. Typical application - see table below.

Substrate	Preparation	Base Coat	Setting time	Top Coat	Setting time	Finish
Plasterboard	Primer is required for some substrates - check background specific installation guide. Existing plaster surfaces must be primed or misted with clean water to control suction.	1-2mm	45-60 mins in warm, dry conditions	1-2mm	45-60 mins in warm, dry conditions	Compress hard to 2mm total thickness.
Specialist plasterboard			90-120 mins in cold, damp conditions		90-120 mins in cold, damp conditions	Trowel smooth.
Overcoating existing plaster surfaces						

Consult the relevant installation guide for the background you are applying Breathaplasta SMOOTH onto. For more information and to view or download any of our resources, please visit adaptavate.com or scan the QR code.

- Declaration of Performance
- Safety Data Sheet
- Installation Videos
- Summary Sheet
- Installation Guides
- FAQs



Packaging

Available in 20kg sacks
1 full pallet = 50 bags to site or 60 bags to yard

Coverage per 20kg bag

12m² **2mm thickness**

Substrates

- Suitable for direct application to standard plasterboard as a two-coat thin skim finish.
- Primer should be applied to all specialist plasterboard before plastering.
- Apply as the final surface finish to Adaptavate products – Breathaplasta Thermal or Breathaplasta Universal. Also suitable for overskimming existing mineral plaster surfaces.



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Surface Preparation

- Consolidate loose material and brush away dust.
- Spray or brush water onto porous substrates such as existing lime plaster prior to the application of plaster to control suction. Typically, a light mist is done 2-3 times in the 10-20 mins before plastering.
- Primer may be required when plastering onto multiple background types to help unify suction rates.
- A primer is required for specialist plasterboards and may be required before overcoating existing plaster surfaces that lack a good mechanical key.

Mix

- Mix Breathaplasta SMOOTH (decant bag slowly) to approx. 7 litres of cool, clean water per 20kg bag of dry powder used.
- Mix with a paddle mixer at medium speed for at least 2 minutes until all dry powder is incorporated and no lumps remain. Leave the plaster mix to stand for 5-10 minutes to improve consistency.
- Mix again at medium speed for 1 minute until plaster has a smooth, creamy consistency. Ideal texture is loose and flowing, but not thin and runny. **Note:** If needed, adjust the powder-to-water ratio to achieve the required consistency to suit your substrate and working style

Apply

- Apply a coat of plaster at 1-2mm in thickness. Be mindful not to overwork the plaster. Ensure plaster is flat and smooth before allowing it to set.

Set

- Leave the plaster coat to set and firm. Guideline timings are 45-60 mins in warm, dry conditions and 90-120 mins in cold, damp conditions. When returning to the plaster, the plaster should be firm to the touch but not fully dry. For best results, apply follow-up coats the same day.

Repeat **MIX**, **APPLY** and **SET** steps above for the second coat.

Procedure	Results
Max Particle Size	0.5 mm
Fresh Mortar Density	1700 g/L
Dried hardened mortar density	1310 g/L
Water Absorption	1.5 Kg/(m ² .min ^{0.5})
Compressive Strength (mean)	5.5 N/mm ²
Flexural Strength (mean)	0.82 N/mm ²
Adhesion (concrete substrate)	0.2 N/mm ² - Fracture Pattern A
Vapour permeability	5 µ (tabulated)
Thermal Conductivity	0.27 W/mK (tabulated)
Reaction to Fire	Euroclass A1

Finish

- For a smooth finish: Hard trowel to compress to 2mm total thickness. Trowel smooth. Optionally, apply a lightly dampened sponge float to the plaster in smooth circular motions, then with a clean finishing trowel, glide over the plaster to achieve a smooth surface finish. Be careful not to overwork the plaster at this stage. Plaster should not need more than 1 or 2 trowels to polish. Do not use water to aid finishing.
- For a slight textured finish: Hard trowel to compress to 2mm total thickness. Then apply a damp sponge float to the plaster in smooth circular motions.

Conditions

Use in temperatures between 5°C and 25°C. Use cool, clean water for mixing. Setting times shorten in warmer conditions and lengthen in cooler ones. Do not 'force dry' plaster through heat or excessive ventilation.

Storage

Store in a cool, dry place, raised off the ground and away from moisture. For optimal performance and quality, use within 6 months of manufacture.

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 Smooth is not suitable for continuously 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, and/or the application of heat, can result in a less durable surface finish. In extreme cases, forced drying may lead to product failure.



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breath**A**plasta
thermal | universal | smooth

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