



TECHNICAL DATA SHEET (TDS)

A super smooth fine finishing plaster for internal use, to achieve a high quality polished surface.

REVISED **01 11 2022**

20kg bags

COVERAGE:
Up to 15m²
AT 3MM THICKNESS

Why use Breathaplasta Smooth? .

- A super smooth finishing plaster with high coverage, suitable for a range of backgrounds, including plasterboard.
- Fast, easy application - faster completion times reduce labour costs.
- Vapour permeable – allows your home to 'breathe'.
- A simple finish to reduce mould and condensation.

Product overview

Breathaplasta SMOOTH is a 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 is 3mm total thickness in two passes of the trowel (base coat 1-2mm and top coat 1-2mm).

| Base Coat | Top Coat | Substrate | Important Notes |
|-----------|----------|--|--|
| 1-2mm | 1-2mm | Plasterboard or existing plaster surface Incl. Adaptavate products. | Apply max. 1-2mm per pass. Total max. thickness 3-4mm. |

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, including Declaration of Performance for relevant certifications, 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 = 1000kg

Coverage per 20kg bag (approx.)

15m² 2-3mm thickness

Substrates

- Breathaplasta Smooth is designed to be a versatile finish for a range of backgrounds.
- Suitable for direct application to standard plasterboard as a two-coat thin skim finish.
- Apply as the final surface finish to Adaptavate products – Breathaplasta Thermal or Breathaplasta Universal. Also suitable for overskimming existing mineral plaster surfaces.



breathAplasta
thermal | universal | smooth

Adaptavate
Fabric First Solutions

Adaptavate Ltd Unit 7 Vertex Business Park, Bristol, BS16 7LB (UK)
+44 (0) 1453 827800 info@adaptavate.com www.adaptavate.com

TECHNICAL DATA SHEET (TDS)

Surface Preparation

- Consolidate loose material and brush away dust.
- Spray water onto porous substrates prior to the application of plaster – this helps to control suction. Typically, a light mist is done 2-3 times in the 10-20 mins before plastering. Backgrounds that will require misting include Adaptavate products – Breathaplasta Thermal or Breathaplasta Universal and existing plaster surfaces.
- Primer may be required when plastering onto multiple background types to help unify suction rates.
- A bonding agent (primer) is required prior to plastering onto specialist plasterboards, including fire protection plasterboard and moisture resistant plasterboard. A bonding agent (primer) is also required when overskimming a smooth plaster surface with a poor key.

How to Mix

- Mix Breathaplasta Smooth to approx 8 litres of clean water per 20kg bag of dry powder used.
- Mix for 3 minutes using a paddle mixer on a medium speed and ensure all dry powder is thoroughly mixed in. There should be no visible lumps.
- Final mix should have a smooth, creamy consistency. Mix can be applied to the wall straight away.

Storage

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

| 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 |

Working time of mixed plaster

After mixing to consistency, Breathaplasta Smooth has an open time of approximately 45 minutes, depending on conditions.

Plaster mix may thicken within first 45 minutes of mixing. Use paddle mixer to loosen, as needed, prior to application. Do not remix with water any plaster that has started to stiffen after approx. 45 minutes.

Do not use when ambient temperature is below 5°C or above 25°C.

How to Apply

See substrate specific installation guides.

How to Finish

- Smooth finish: Glide a clean trowel over the plaster surface to polish it smooth. Be careful not to overwork the plaster at this stage.
- Textured finish: For a light texture apply a damp sponge float to the plaster surface in smooth circular motions.

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.

