THERMAL

INSTALLATION GUIDE
MASONRY (SPRAY APPLICATION)

Breathaplasta Thermal can be applied directly to brick, block and stone and is compatible with all masonry types. Thermal is a fast-setting, low-density lime-based plaster designed for rapid build-up on the internal face of solid masonry to improve thermal insulation and reduce heat loss.

Important notes for use on masonry:

- Plan junctions between different material types to help minimise thermal bridging.
- Ensure the masonry is consolidated. Use Thermal to dub out any large holes and to level the wall prior to main plastering.
- Primer may be required if surface requires the addition of a key or to unify the suction rate across a wall of multiple background types. Mist the surface with clean water 10-15 mins prior to plaster application to control suction as needed.

breathAplasta



Good for our buildings

Good for our health

Good for our planet

Mist
With water

Mist the masonry surface with clean water to help control suction.

Setup
Spray machine

Set up and operate plastering spray machine in accordance with the machine manufacturer's guidance.

Adjust
Nozzle & pressure

Achieve a steady and controlled flow rate that is equal to approx. 5 litres of water per 9kg dry plaster powder.

Apply
Coat

Apply Thermal at 20-30mm per coat by spray machine. Up to 30mm (max per day).

Key
Scratch each coat

Scratch each coat of plaster in a diamond pattern to create a mechanical key for follow-up coats.

Finish
Use clean trowel

Trowel flat and even, and leave lightly scratched (devil floated) to provide a key for the finishing plaster.

Equipment Required:
Breathaplasta Thermal, clean water and brush or mister, hawk, trowel and plastering tools.

Surface preparation:
Consolidate wall to ensure no loose material. Surface should be uniformly flat. Consider if a breathable plaster primer is required. Mist the masonry surface with water to control suction.

Recommended plaster thickness:
20-30mm per coat by spray machine.
Up to 30mm (max per day).

Recommended plaster application:

1. Adjust nozzle and pressure settings on spray machine to achieve a steady and controlled flow rate that is equal to approx. 5L of water per 9kg dry plaster powder.
2. Apply Thermal 20-30mm per coat by spray machine. Up to 30mm (max per day).
3. Scratch each coat of plaster in a diamond pattern to create a mechanical key for follow-up coats.
4. Trowel flat and even, and leave lightly scratched (devil floated) to provide a mechanical key for the finishing plaster. Apply Breathaplasta Universal or Smooth as the finishing coat within 1–2 days.

Coverage per 9kg Thermal bag:
2m² at 10mm thickness

Setting time per coat:
2 hours

ADAPTAVATE
Adaptavate Ltd , Unit 7, Vertex Park North, Oakwood Drive, Bristol, BS16 7LB
info@adaptavate.com | 01453 827800 | www.adaptavate.com