THERMAL

INSTALLATION GUIDE
MASONRY (HAND 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.

Mist
With water



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

Mix
Water required



Add 1 x 9kg bag of Thermal to approx. 5 litres of clean water.

Mix Time



Mix the plaster using a paddle mix for approx. 3 minutes.

Apply
Two coats



Apply at least 2 coats of Thermal. Each coat should be 10-15mm by hand.

Set
Setting time



Setting time per coat of Thermal is approx. 2 hours.

Finish
Use clean trowel



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

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Good for our health

Good for our planet

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 help control suction as needed.

Recommended plaster thickness:
Up to 30mm per day.

Recommended plaster application:

1. Apply at 10-15mm per coat by hand. A maximum thickness of 30mm per day can be applied, building up to a total maximum thickness of 120mm over multiple days.
2. Scratch each coat of plaster in a diamond pattern to create a key for follow-up coats. Leave each coat to set and firm for approximately 2 hours.
3. 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

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