



## DATA SHEET

### Fortafix High Temperature Adhesives

#### FORTAFIX HIGH TEMPERATURE RESISTING PLASTER - MINPLAST HT1000

- External and Internal application.
- Eco-friendly, high temperature resisting, acoustic, Finishing Render/Plaster.
- Can be used on mineral boards and high suction substrates e.g. Calcium Silicate Board.
- Temperature resistant to 1000°C.

#### PRODUCT DESCRIPTION:

MINPLAST HT1000 is an innovative, high performance, ready to mix, heat resisting and thermally insulating, Finishing Render/Plaster

MINPLAST HT1000 is formulated using naturally occurring & eco-friendly raw materials. MINPLAST HT1000 is supplied as dry pre-blended powder.

When mixed with water, it produces an easy to use plastic mortar mix with good adhesion to the substrate.

It is designed for external and internal applications & dries without shrinkage.

MINPLAST HT1000 is used for:

- Levelling uneven surfaces to provide a suitable surface for decoration.
- High temperature applications.
- Thermal insulation applications.
- High suction substrates e.g. Calcium Silicate Board.

#### TECHNICAL DATA

Pot life	1 hour
Density of dry material	770 kg/m <sup>3</sup>
Filler - thermal conductivity	0.034W/(m·K)
Thermal conductivity in dry condition	0.204 W/(m·K)
Vapour diffusion	11 +/- 1.5
Bond strength (28 days)	1.28 N/mm <sup>2</sup>
Compressive strength (28 days)	37.2 N/mm <sup>2</sup>
Filler fineness modulus	0.71
Water retention	100%
Mortar fluidity mark	P 8
Mix ratio	3 pbw powder: 1 pbw water
Spread rate	15 kg powder - will cover 8-10m <sup>2</sup> @ up to 5mm thickness

## METHOD STATEMENT

The stated spread rate is determined by an authorised contractor on a pre-treated surface under favourable working conditions. Actual consumption may vary dependent on substrate condition, pre-treatment & contractor's experience.

### CLIMATIC CONDITIONS:

During the application of the MINPLAST HT1000 plaster and for the following 24 hours, the temperature of the substrate and ambient air should not fall below +5°C. Do not apply to a hot surface.

When possible, protection must be given to the plaster surface against direct exposure to water and sunlight within 24 hours after the application, to enable effective hydration of the constituents.

### SURFACE PRE-TREATMENT:

The surface must be even and free from contamination e.g. loose paint, crumbling plaster.

The MINPLAST HT1000 can be applied directly to the surface however some surface treatment or priming may be needed for best results. i.e. on aerated concrete, ceramic bricks, dry cement, calcium silicate board etc., it is suggested to apply MIN-PRIME G100 as a primer. As each application and conditions may vary it is recommended that a trial area is tested prior to complete application.

### MIXING:

Mixing Ratio is 1 kg (1 litre) water to 3 kg of MINPLAST HT1000.

Mix with a high speed electric mixer until a homogeneous mixture is obtained.

The mix should then be left for 3-5 minutes to condition before application.

If adjustment is required, add a small amount of water or MINPLAST and re-mix the mass to the required consistency.

### APPLICATION METHOD:

MINPLAST HT1000 plaster is applied using established plastering techniques. If required a second coat can be applied after the first one has hardened (the number of coats is not limited.) Once dry, the surface is can be smoothed with abrasive paper prior to decorating.

### HEALTH AND SAFETY:

When mixed with water the MINPLAST G1000 produces an **alkaline mixture**.

**Avoid contacts with the eyes or skin and wear gloves, mask and eye protection during mixing and application.**

**In case of contact with eyes or skin, rinse or wash with plenty of water and seek medical attention if required.**

### STORAGE:

Dry MINPLAST G1000 should be stored in original packaging and should be protected from water penetration.

Shelf life - 12 months from date of manufacture.