

CERMIFIX HP

ACRYLIC DISPERSION BASED, READY TO USE,
NON-SHIFT, PASTE TYPE ADHESIVE MORTAR



White

- *Clean and easy application for renovation and modification works*
- *Strong adhesion performance*
- *Easy trowelling*
- *Practical solution on difficult surfaces with its elastic structure*
- *Capability of laying ceramic from top to bottom without shifting*

PRODUCT INFORMATION

WHERE TO USE

- For ceramic tiling applications on surfaces such as gypsum plaster boards, cement chipboard (betopan) etc.,
- For ceramic tiling on difficult surfaces such as paint, ceramic, exposed concrete etc.,
- It offers practical solutions for bonding thermal insulation boards indoors.

GENERAL FEATURES

Nature	: Emulsion-based fillers, ready-made dispersion containing additives for elasticity
Colour	: White
Density	: $1.75 \pm 0.05 \text{ gr/cm}^3$

TECHNICAL CHARACTERISTICS (*)

Shear bond strength

- Initial (after 28 days)	: $\geq 1 \text{ Mpa (N/mm}^2)$
- After heat ageing	: $\geq 1 \text{ Mpa (N/mm}^2)$
- After water ageing	: $\geq 1 \text{ Mpa (N/mm}^2)$
- After freeze-thaw cycle	: $\geq 1 \text{ Mpa (N/mm}^2)$
- Open time tensile strength (after 20 minutes)	: $\geq 0.5 \text{ MPa (N/mm}^2)$

Shear : $\leq 0.5 \text{ mm}$

Flexibility : Medium

Temperature resistance : $-30 \text{ }^\circ\text{C} - +70 \text{ }^\circ\text{C}$

Fire resistance class : A1 (TS EN 13501 – 1)

(*)These values are results of laboratory tests and they are performance values recorded 28 days after the finished applications. The values may vary because of different site conditions.

STANDARDS AND DOCUMENTS

- TS EN 12004-1/D2T class
- Public works pos. No. : 10.300.2207



CONSUMPTION

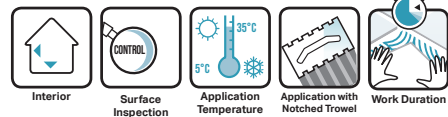
- 3-4 kg/m² in average

PACKAGING

- In 15 kg plastic bucket packaging (44 pcs / 660 kg per palette)
- In 5 kg plastic bucket packaging (60 pcs / 300 kg per palette)

STORAGE

- Maximum 2 palettes can be stacked on each other.
- It should be stored in moisture-free, dry warehouses which are well-protected against external weather conditions.
- Shelf life is 1 year under appropriate storage conditions.
- Opened packages should be stored as tightly sealed.



APPLICATION

APPLICATION PROCEDURE

Mixture ratio: mixture ready to use

Time allowance for working

and tile correction: 20 minutes

Time for use of mixture (Pot life): 3 hours

Application temperature: +5°C to +35°C

Time for foot traffic: minimum 24 hours

Pointing time: after minimum 24 hours

SUBSTRATE PREPARATION

- The application surfaces must be free from dust, dirt, oil, etc. and must be dry, smooth and sound.
- Surfaces with high absorbency should be primed with **CERMFILM** prior to application.
- Overheated surfaces exposed to direct sunlight should be moisturized before application.
- Any surface defects, cracks and holes should be corrected and repaired with **CERMIMORTAR**, **CERMIREP** repair mortars or **CERMFLOOR** levelling screeds. Surface corrections up to 2 mm vertically and 7 mm horizontally can be made with **CERMIFIX HP**.
- Glossy surfaces such as ceramic, exposed concrete etc. should be primed with **CERMFILM PLUS** or **CERMFILM PLUS BETON** prior to application.
- The surface of the tiles must be cleaned of dust and dirt before application. The tiles must be saturated with water and the surface must be dry.

APPLICATION

- **CERMIFIX HP** is a ready-to-use tile adhesive. It can be used directly after opening the package.
- No other liquid or solid additives such as water, performance-enhancing additives or cement should be added into the product.
- After **CERMIFIX HP** is applied to the surface with a toothed steel trowel selected in accordance with the tile size, it should be trowelled to obtain a smooth adhesion surface.
- The working time of **CERMIFIX HP** is 20 minutes. However, under different ambient conditions (e.g. low/high temperature, humidity, wind, etc.) the working time may be shorter or longer. For this reason, care should be taken to ensure that the adhesive does not form a film-crust on the surface during application and any film, if any, should be scraped off.
- In order for the adhesion to be firm and the adhesive to be fully spread on the back of the tile, the tile should be lightly tamped by using a rubber mallet.
- Unpacked product mixture should be consumed within 3 hours.
- Proceed to the process of grouting at least 24 hours after the adhesion process.

RECOMMENDATIONS

- After application, wash all tools you used with water and remove off any mortar residues left on the surface with **CERMINET**.
- After application, the surface should be protected from contact with water for at least 24 hours.
- It should not be applied in case of freezing risk or on overheated surfaces, under direct sunlight and in high winds.
- Do not apply directly on difficult surfaces such as metal, PVC, wood, cement-based chipboard etc.; consult technical service for solution.
- Do not apply on newly plastered or concrete surfaces before the curing process is completed.
- In ceramic-on-ceramic applications, the drying time of the product can be up to 1 week depending on the ambient conditions and size. For this reason, cement-based, high-performance adhesive mortars are recommended for bonding large-sized ceramics with low water absorption.
- Do not use the product if you observe any petrification after unpacking it.
- White coloured adhesives should be used for bonding light coloured and water-absorbent coating materials.
- In case of in wet areas such as bathroom, shower, WC, etc., waterproofing should be done with **CERMPROOF SF/FF/FF PLUS** prior to tile application.



SAFETY INSTRUCTIONS

- Do not inhale and avoid of its contact with skin and eyes.
- It is recommended to use appropriate work equipment (gloves, goggles, mask, knee pads, etc.) during application of the product.
- For more detailed information please read the Material Safety Data Sheet (MSDS).

Note: Technical values and application instructions are valid under ambient temperature of 23°C with relative humidity 50% and they are the results of our tests and experience in accordance with international standards. Our company is not responsible for any errors that may occur if the instructions and recommendations specified in the technical data sheets are not followed.

CERMIX

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