

CERMIFIX PU 2C

**POLYURETHANE BASED, 2-COMPONENT,
SOLVENT FREE,
MULTIPURPOSE TILE ADHESIVE**



Beige

- *High adhesion strength*
- *High flexibility*
- *Suitable to use on many different surfaces*

- *Solvent free*
- *Suitable for repair, filling, waterproofing purposes*

PRODUCT INFORMATION

WHERE TO USE

- Porcelain tile, granite, marble, ceramic tile etc. coating materials, metal,
- It can be applied to various surfaces such as cemented particle board (betopan), wood, concrete, plasterboard.
- For bonding thin and very large sized special ceramics with epoxy laminated back.

GENERAL FEATURES

Chemical Structure : Polyurethane
Density : ~1,55 gr/cm³ A+B Component (DIN EN ISO 2811-1)
Color : Beige
Solid Content : ~100% (by weight)

TECHNICAL CHARACTERISTICS (*)

Tensile strength

- initial (after 28 days): ≥ 2 MPa (N/mm²)
- after heat ageing : ≥ 2 MPa (N/mm²)
- after water ageing : ≥ 2 MPa (N/mm²)
- after freeze-thaw cycle: ≥ 2 MPa (N/mm²)
- wait time as exposed (after 30 min): ≥ 1 MPa (N/mm²)

Shifting : ≤ 0.5 mm

Flexibility : Excellent

Temperature resistance : -30 °C - +80 °C

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

Shore A Hardness : 55-65 (ASTM D2240)

(*)These values are obtained as a result of laboratory experiments, +23 °C, 50% r.h. Values may vary due to differences in the construction site environment.

STANDARDS AND DOCUMENTS

- Tested according to TS EN 12004 standards.
- CE



CONSUMPTION

- 1.25 kg/m² (with 4x4x4 mm comb)

PACKAGING

- 7 kg (6.25±0.75) metal bucket

STORAGE

- 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.



Interior –
Exterior



Surface
Inspection



Application
Temperature



Application with
Notched Trowel



Very Flexible



Two
Components



Oversized Tile



Freeze Thaw
Resistance



Water
Resistance



SOLVENT-
FREE

APPLICATION

APPLICATION PROCEDURE

Mixing ratio (A+B) : 6.25 : 0.75 (by weight)

Application temperature : Min. +15 °C / Max. +35 °C

Time for use of mixture (Pot life): 30-45 minutes (+20 °C)

Hardening time: 5 hours (+20 °C)

NOTE: These tests were carried out under laboratory conditions. Times are approximate. It will be affected by changing ambient conditions, especially temperature and relative humidity.

SUBSTRATE PREPARATION

- The application surfaces must be free from dust, dirt, oil, etc. and must be dry, smooth and sound.
- Any surface defects, cracks and holes should be corrected and repaired with **CERMIMORTAR**, **CERMIREP** repair mortars or **CERMIFLOOR** levelling screeds.

APPLICATION

- From **CERMIFIX PU 2C** components, first component A is mixed within itself, then component B is added into A and mixed very well until a homogeneous color is obtained.
- Mechanical mixers with minimum 300-400 rpm power should be used for mixing.
- The mixture is applied by combing the surface with a notched trowel (4x4x4 mm tooth size).
- Ceramic, parquet or rubber rolls should be adhered within 30-45 minutes.
- The mixture should be consumed within max. 45 minutes.



RECOMMENDATIONS

- Do not apply on frost hazardous or overheated surfaces, under direct sun and in high winds.
- In cold weather, packages should be stored at minimum 15-20 °C room temperature at least 24 hours before application.
- After application, the surface should be protected from water, rain, snow etc. until it dries.
- It should be taken into consideration that full mechanical and chemical resistance will occur within 7 days.

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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