

CERMIFLOOR EP 2C

EPOXY-BASED, 2 COMPONENT, SOLVENT-FREE, SELF-LEVELLING, FLOOR COATING MATERIAL



Various Colours from the RAL Catalogue



- *Easy to clean, scratch-proof*
- *Solvent free*
- *Mechanical and abrasion resistance*
- *Chemical resistant*
- *Easy application*
- *High adhesion strength*

PRODUCT INFORMATION

WHERE TO USE

- Storage, maintenance and assembly areas of industrial facilities,
- On floors such as hangar, parking lot, loading ramp etc.
- Pharmaceutical – in food production facilities, laboratories
- Applicable on asphalt surfaces

GENERAL FEATURES

Material structure : Epoxy
Colour : Various Colours from the RAL Catalogue
Density : 1.45 gr/cm³
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TECHNICAL CHARACTERISTICS (*)

Adhesion Strength to Concrete : 3 N/mm²
Shore D Hardness : > 75 (DIN 53505)
 (ASTM D 2240)
Compressive Strength : 60 N/mm² (EN 196-1)
Adhesion Strength : 3.50 N/mm²
 (EN 196-1)

(*) The presented values are obtained under laboratory conditions. Values may differ in accordance with site conditions.

STANDARDS AND DOCUMENTS

- Tested according to EN 1504-2 standards.
- CE

CONSUMPTION

CERMIFLOOR EP 2C is applied in 200 micron layers. The consumption for two coats will be 580gr/m². Rough surfaces may result in higher consumption. For self-levelling applications, the product is poured with a thickness of 1mm, resulting in a total consumption of 1450gr/m².

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PACKAGING(*)

- 25 kg (20 kg + 5 kg)

(*) Component quantities may vary according to production conditions

STORAGE

- Moisture-free, dry and protected against external weather conditions should be stocked in warehouses.
- Shelf life is 1 year under appropriate storage conditions.
- Opened packages should be kept tightly closed.



Interior-Exterior Floor



Surface Inspection



Application Temperature



Two Components



Pot Life



Application with Brush-Roller

APPLICATION

APPLICATION PROCEDURE

Mixing ratio: A component 4 : B component 1
Surface Temperature to be Applied: 15°C - 25°C
Time in Container: 30 minutes at 20°C
New coat application time: 12-18 hours at 20°C
Full Curing Time: 7 days

SUBSTRATE PREPARATION

- The application surface must be dry, clean, and free of all materials such as dust, liquid and oil residues.
- Surfaces that have cracks and holes need to be repaired by using **CERMIMORTAR**, **CERMIREP** repair mortars and **CERMIFFLOOR** leveling screeds.
- The application surface needs to be primed by using **CERMIPRIME EPR 2C** or **CERMIPRIME NT 2C**

APPLICATION

- **CERMIFFLOOR EP 2C**, is packaged according to the mixing ratios of Component A and Component B. No other components should be added except for the silica sand that must be added during application. Sand matching the material color should be selected.
- Each component should be mixed separately first, then Component B should be slowly added to Component A and mixed with a low-speed mixer until it is lump-free and homogeneous.
- The mixture is left to rest for 5 minutes, then stirred again for 1-2 minutes before application.
- The prepared mixture should be applied to the surface in at least 2 coats using a trowel or roller. When applying with a roller, the first coat should be applied from right to left or top to bottom, and the second coat should be applied in the opposite direction to the first coat. The main goal here is to ensure that the surface is covered homogeneously with the material.
- Applying with a spiked roller makes it easier to remove air bubbles.



RECOMMENDATIONS

- No other materials such as water should be added to the product.
- If the product packaging is opened and collapse or hardening is detected, the product should not be used.
- The working time of the product may vary under unsuitable weather conditions.
- Surfaces where the product has been applied must be protected from direct sunlight, rain, and frost for at least 24 hours.
- If the application time for the next coat is exceeded or if the coating is old, it is recommended to sand the surface.
- The compressive strength of the concrete to be applied must be min. 25N/mm² and the tensile strength min. 1.5 N/mm².
- During application, relative humidity should not exceed 50% at +10°C or 80% at +30°C.
- The temperature of the surface to be coated should be between +15°C and +25°C.
- Moisture content in the concrete should be less than 5%.
- The temperature of the surface to be applied should be 3°C above the dew point.
- For applications in extremely cold weather, the ambient and surface temperatures should be increased with heaters, and the materials should be stored at 20°C ±25°C the night before.
- Considering the possible movements, an appropriate joint plan should be made and the necessary joints should be moved to the coating.

SAFETY INSTRUCTIONS

- It should not be inhaled, and eye contact should be avoided.
- 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.

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