

CERMIFLOOR 4-30

CEMENT-BASED, SELF-LEVELING FLOOR LEVELING AND PREPARATION SCREED



Grey



- *High mechanical and abrasion resistance*
- *Resistant to temperature changes and dusting*
- *Spreading fast with its fluid structure*

- *Forming a non-porous and smooth surface*
- *Non-cracking and non-collapse, fiber reinforced*
- *Quick and easy application*

PRODUCT INFORMATION

WHERE TO USE

- Before the application of PVC, linoleum, parquet, carpet, ceramic etc.
- On floors with underfloor heating
- Leveling the defects on concrete and screed floors
- A surface smoothing screed that can be applied between 4-30 mm in one coat and self-leveling.

GENERAL FEATURES

Structure	: High quality cement, powder product with filled, fibers reinforced and performance polymer additives.
Colour	: Grey
Dry Density	: $1.5 \pm 0.05 \text{ gr/cm}^3$
Mortar Density	: $2.00 \pm 0.05 \text{ gr/cm}^3$

TECHNICAL CHARACTERISTICS

Compressive Strength	: $\geq 30 \text{ MPa}$ (28 days)
Flexural Strength	: $\geq 10 \text{ Mpa}$ (28 days)
Temperature Resistance	: $-30 \text{ }^\circ\text{C} - +70 \text{ }^\circ\text{C}$

(*) These values are obtained as a result of laboratory experiments and are the performance values of the finished applications after 28 days. These values may change depending on site conditions.

STANDARDS AND DOCUMENTS

- Tested according to EN 13813 standards
- CE

CONSUMPTION

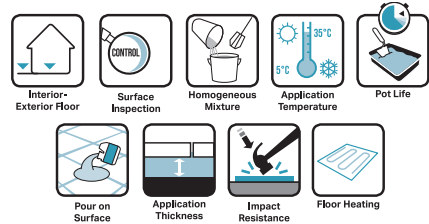
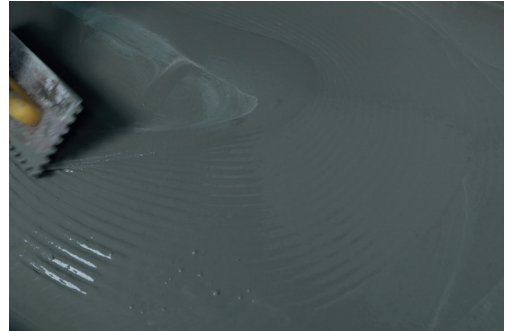
- Average: $1.9\text{-}2.1 \text{ kg/m}^2$ (for 1mm thickness)

PACKAGING

- 25 kg kraft bags

STORAGE

- Maximum 10 kraft bags can be put on top of each other.
- 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.



APPLICATION

APPLICATION PROCEDURE

- Application thickness:** 4-30 mm
Pot Life: Maximum 30 minutes
Application method: Trowel or pump
Application temperature: +5 °C - +35 °C
Coating time: 24-48 hours
Opening time for pedestrian traffic: Min 24 hours (light pedestrian traffic)

SUBSTRATE PREPARATION

- The surfaces to be applied are free from dust, dirt, oil, etc. must be clean, dry, smooth and solid.
- Cracks and holes on the surface should be repaired with **CERMIMORTAR** or **CERMIREP** repair mortars.
- The floor should be primed with **CERMI-FILM** before the application, and leveling screed should be applied after drying (approximately 1 hour).

APPLICATION

- 25 kg of **CERMIFLOOR 4-30** slowly into 5.0-6.0 liters (%20 -24) of clean water by adding the mixture until it is lump-free and homogeneous (400rpm) is mixed using a mixer.
- 3 minutes before applying the mixture it is rested and applied after mixing again.
- The prepared mixture is spread on the floor with a steel trowel and the thickness is adjusted. A spiked roller should be used to avoid air bubbles in the product.
- During the application, the application thickness should be determined in accordance with the door sills and the volumetric changes in the space.
- The times given in the application information and steps may be shortened or extended in different ambient conditions (low/high temperature, humidity, wind, etc.).
- After application, the surface should be kept continuously moist or cured by appropriate methods (e.g., using CermiCure Curing Material) to prevent the loss of the necessary water within the product due to external factors, ensuring proper hydration and strength development.



RECOMMENDATIONS

- The treated surfaces should be protected from direct sunlight, rain and frost for at least 24 hours.
- If petrification is detected after the bags are opened, the product should not be used.
- After the product is mixed, it should be used in the pot life.
- Any foreign material such as lime, cement, plaster should not be added to the prepared mortar.
- Pay attention to the amount of water indicated on the bag.
- In large area applications, expansion joints should be left every 30-40 m² and filled with **CERMITHANE** mastic or **CERMITAPE FPO** expansion profiles, taking into account possible thermal stress and mechanical loads.
- Direct on surfaces such as metal, rubber, PVC, wood, etc. application should not be made.
- CERMIFLOOR 4-30** should be poured in a smooth and continuous stream.

SAFETY INSTRUCTIONS

- Since it is cement based, it should not be inhaled and contact with skin and eyes 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.

CERMIX

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