

CERMIFLOOR 10-50 (10-50 mm thickness)



Dry mortar



- *Excellent performance of leveling up to 50 mm for indoor floors,*
- *High compressive strength. Ideal for heavy load and pedestrian traffic,*
- *Does not shrink or crack,*
- *Suitable for applications onto existing coverings and under floor heated systems.*

DESCRIPTION

• Cement based dry mortar for surface smoothening. It is suitable for leveling the floors where surface deviation is below 50 mm, prior to fixing of covering materials of tiles, parquets, carpets, natural stones and etc. It allows delivering a flooring incline.

AREAS OF USE

• Suitable for use in internal areas as a flooring screed. It is used for leveling purposes for thicknesses of 10 mm to 50 mm. It forms a leveled substrate prior to the application of covering materials (tile, carpet, parquet, and etc.). It is reliable on industrial floors. It should not be used in areas exposed to humidity and water.

FEATURES

Material content: High quality cement, additives and thick filling materials.

Type : Powder
Color : Grey
Density : 1,2 gr/cm³

APPLICATION PROPERTIES

Mixture rate : 2,5 lt water / 25 kg powder
Application thickness : 10-50 mm
Pot life : 3 hour
Application temperature : +5 °C - +30 °C
Set time (for tiling) : minimum 48 hours
(varies due to leveling thickness)
Set time (for light pedestrian traffic) : minimum 48 hours
(varies due to leveling thickness)
Final set time : 28 days (23 °C, 50% relative humidity)

TECHNICAL PERFORMANCE

Resistance to alkalis : good
Resistance to thermal shocks : -30 °C - +70 °C

APPLICATION SURFACES

• Suitable for use on cement based screeds and concrete substrates.

SURFACE PREPARATION

- The substrate must be clean in order to ensure the compound bonds properly. Surfaces should be clean and free from dust, dirt, grease or any other contaminating barrier. Subsequently hardened or polished surfaces and laitance (concrete and etc.) must be removed by scabbling.
- Ensure that substrate is mature, sound, stable and smooth, and not too dry or wet.
- Substrates should be primed with **CERMIFILM** before application.
- Impervious surfaces should be primed with **CERMIFILM PLUS** before application.
- The surfaces exposed to direct sunlight and have a surface temperature above +30 °C must be cooled by damping.
- Prior to application, the cracks and damages on the substrate should be fixed with **CERMIMORTAR 3-20** surface repairing mortar.

MIXING

• Gradually add 2,5 lt (10%) of clean water to 25 kg of powder, and mix to a smooth and homogenous compound. It is recommended to use a low cycled electrical drill-mixer for mixing.

• The compound should rest for 2 minutes prior to application and should be applied then.

APPLICATION CONDITIONS

- The compound should be used at an ambient temperature range of +5 °C - +30 °C.
- Application surface temperature must be above +5 °C. The surface should have no risk of freezing.
- Application on hot surfaces and during sunny and/or windy weather is not recommended.

APPLICATION

- Spread **CERMIFLOOR (10-50)** on the surface (already primed with **CERMIFILM** at a single layer.
- By using a gauge the compound is spread and compressed well, and leveled evenly on the surface. The floor incline can be applied if required.
- After leveling, cementitious emulsion acc. to manufacturers recommendations is poured onto the compound to have a stiffer screed.
- To ease in a large area application, precede the application in consecutive small areas.
- Following application must be done at least 48 hours later after leveling application.

PRECAUTIONS

- If any roundish and lump or hard particles are observed in a new opened bag, do not use the product.
- Do not add more or less water into the mixture than it is specified on the technical legends on the product packaging or technical data sheets.
- Do not add more water into the mixture once the mixture is prepared.
- Do not apply the compound directly onto the existing ceramic tiles and metal, plastic, PVC or wooden substrates. Please consult technical service for solutions.
- Do not tile onto new render or concrete. Leave screed for at least 6 weeks before tiling.
- To prevent water puddles on wet areas, the floor should be inclined. On terraces, wet areas and similar areas there should be an incline of 3% on the floor along the direction of drain.
- Set time for **CERMIFLOOR 10-50** may extend in lower temperatures and/or high humidity conditions, or when applying onto impervious or sealed surfaces.
- Large areas should be divided into smaller areas (rectangular areas ≤ 30 m², long edge at maximum 8 m). The joints within the divided areas function as expansion joints.
- Expansion joints should be incorporated to allow for slight movements due to changes in temperature, humidity and thermal and mechanical loads formed on the surface and substrate. Expansion joints should be provided considering heat transmitting systems and insulation applications, floors exposed to heavy traffic and pedestrian loads, wideness of the area, where tiling meets other materials, along all internal corners, existing movement joints or changes in background material. Large tiled areas must be divided into bays (every 4 to 8 m due to tile sizes and type). Expansion joints should be insulated by using proper profiles or mastics.
- If covered with wooden covering materials, application thickness of the leveling should be minimum 3 mm.



SPECIAL CONDITIONS

- For fixing onto impervious surfaces like existing tiles the surface must be primed. As a primer **CERMIFILM PLUS** is recommended.
- Before tiling in wet areas (bathroom, shower, etc.), it is recommended to apply waterproofing first (**CERMICRYL**, **CERMIPROOF SF** or **CERMIPROOF FF**).

COVERAGE

- The approximate coverage amount (kg/m²) may vary depending on the application surface deviation: For 10 mm thickness of coating 15-20 kg/m²

PACKAGING

- Kraft sacks of 25 kg (48 sacks / 1200 kg on a pallet)

STORAGE AND SHELL LIFE

- When stored unopened in a cool, dry place at temperatures above 5 °C, shelf life is 12 months from date of manufacture. Production date and charge number is displayed on the packaging.
- The products should not be stored in damped or submerged warehouses. At maximum 10 craft sacks should be overlaid for storage.
- When not used, opened packages should be closed tightly to avoid air contact..

HEALTH AND SAFETY

- Irritating to eyes and skin due to cement content. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water.
- Wear suitable protective clothing, gloves and eyes/face protection.
- The product should not be inhaled. Dust mask should be used if necessary.
- Keep the product out of the reach of children.

Note: The initial controls of our product are made during the production phase. We guarantee the stability of our products' quality. All recommendations and instructions on the technical sheet are generally based on our experience. Please contact us for applications on special surfaces not mentioned in the technical sheet. Our company reserves the right to update the information on the technical sheet in the case of technical necessities without prior notice. This new catalogue supercedes the previous editions.