



### Surface smoothing and repairing mortar



- Ideal for leveling and smoothing concrete substrates and surface preparation prior to painting,
- Excellent performance of leveling up to 7 mm,
- Does not shrink or crack.

#### DESCRIPTION

• Cement based, water and humidity resistant, easily applied surface smoothing and repairing mortar. It allows leveling and smoothing of surface deviations, and repairing of cracks and surface damages with thicknesses up to 7 mm. It has a high adhesion performance on the substrate. It is resistant to outdoor conditions.

#### AREAS OF USE

• Suitable for use on internal and external walls and facades for plastering. It can be covered or coated with any kind of material which adheres on cementitious substrates.

#### FEATURES

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

Type : Powder  
Color : Grey / white  
Density : 1,2 gr/cm<sup>3</sup>

#### APPLICATION PROPERTIES

Mixture rate : 6,0-6,5 lt water / 25 kg powder  
Application thickness : 2-7 mm  
Pot life : 3 hour  
Application temperature : +5 °C - +35 °C  
Set time (initial / for smoothing): minimum 30 minutes  
(varies due to leveling thickness)  
Set time (for covering / coating) : minimum 3 days  
(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 and concrete substrates, bricks and briquette blocks.

#### SURFACE PREPARATION

- The substrate must be clean in order to ensure the plaster 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 with high porosity should be primed with **CEMIFILM** before application.
- Impervious surfaces should be primed with **CEMIFILM PLUS** before application.
- The surfaces exposed to direct sunlight and have a surface temperature above +35 °C must be cooled by damping.
- Dry substrates should be dampened before application

#### MIXING

• Gradually add 6,0-6,5 lt (24-26%) 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 5 minutes prior to application and should be applied after remixing

#### 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 **CEMIMORTAR 2-10** evenly on the surface by using a steel trowel with a thickness of 2-3 mm. For a plastering thickness up to 7 mm apply a second plaster coat. Before plastering the second coat, wait for at least 6 hours for the first coat to complete its set.
- 20-30 minutes after application (when the plaster completes its initial set and the surface gets dry), the plaster surface can be smoothed by using a plain steel trowel or with a damp sponge. To give a threadbare surface texture, it is recommended to use a plastic trowel.
- If the surface dries during smoothing process, damp the surface to allow an easy application.
- While applying during windy, sunny, hot and dry weathers, damping the smoothed surface once in 2-3 hours will prevent any cracks caused by sudden setting.
- Following application must be done at least 3 days 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 plaster directly onto the existing ceramic tiles and metal, plastic, PVC, wooden, cement based chip boards, aerated concrete, precast-concrete, gypsum plastered, gypsum board, under floor heated and painted surfaces. Please consult technical service for solutions.
- Do not tile onto new render or concrete. Leave screed for at least 6 weeks before tiling.
- For **CEMIMORTAR 2-10**, pot life and initial set time for smoothing are 3 hour and 20-30 minutes, respectively. Durations will be shortened for applications with inconvenient conditions (due to high ambient temperatures, dry air and strong wind and plastering onto high porosity substrates). On this account, wetness of the plaster should be tested by touching in case of early setting. Durations may extend in lower temperatures and/or high humidity conditions, or when plastering onto impervious or sealed surfaces.
- Expansion joints on the substrate should not be filled or plastered. Expansion joints should be insulated by using proper profiles or mastics.

#### SPECIAL CONDITIONS

- For fixing onto impervious surfaces like existing tiles the surface must be primed. As a primer **CEMIFILM PLUS** is recommended.
- It is applicable to plaster on gypsum based substrates in internal areas whether primed with **CEMIFILM**.
- Cold joints between block pannels (gypsum boards, plaster boards, and etc.) might be covered with plaster (plaster poured out at 10 cm width along each



side of the joint) Reinforcement with flexible tape or alkali resistant reinforcement mesh should be performed in order to prevent any cracks if the panels move. Reinforcement is embedded in the plaster, when the plaster is still wet, as recommended by the reinforcement manufacturer.

- To prevent cracks that may form on plaster surface due to shrinkage in thick applications, a reinforcement mesh (alkali resistant type) can be applied between coats. Reinforcement mesh is embedded in the first coat of plaster, when its still wet as recommended by the reinforcement manufacturer.
- Before plastering in wet areas (bathroom, shower, etc.), it is recommended to apply waterproofing first (**CERMICRYL**, **CERMIPROOF SF** or **CERMIPROOF FF**).
- To improve the technical performance of the plaster, it is recommended to add **CERMILATEX** into the mixing water in the ratio 1:3 (As for the mixing water; instead of 3 scales of water, 2 scales of water and 1 scale of **CERMILATEX**).

#### **COVERAGE**

- The approximate coverage amount (kg/m<sup>2</sup>) may vary depending on the application surface deviation: For 1 mm thickness of coating 1,5 kg/m<sup>2</sup>

#### **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.