

# CERMIMORTAR 3-20

## CEMENT BASED, COARSE GRANIED, SURFACE SMOOTHING AND REPAIR MORTAR



Grey



- *Easy application*
- *High adhesion performance*
- *Non-shrinking and non-cracking*

- *Resistant to outdoor conditions*
- *Resistant to water and humidity*

## PRODUCT INFORMATION

### WHERE TO USE

- In the repair of spilled, cracked, broken surfaces.
- For plastering blocky surfaces such as bricks on the interior and exterior of buildings.
- To provide a smooth surface before paint, ceramic tile, waterproofing, etc. applications.
- Possibility of application between 3-20 mm

### GENERAL FEATURES

<b>Structure</b>	: High-quality cement, special additives and fillings
<b>Type</b>	: Powder
<b>Color</b>	: Grey
<b>Dry Density</b>	: $1.60 \pm 0.1 \text{ gr/cm}^3$
<b>Mortar Density</b>	: $1.80 \pm 0.1 \text{ gr/cm}^3$
<b>Grain Size</b>	: $\leq 800 \mu\text{m}$

### TECHNICAL CHARACTERISTICS

<b>Compressive Strength</b>	: $> 15 \text{ MPa}$
<b>Tensile Adhesion Strength</b>	: $> 0.8 \text{ MPa (EN 1542)}$

(\*)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 1504-3 standard.
- CE

### PACKAGING

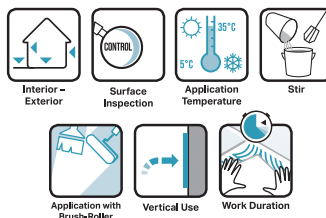
- 25 kg kraft bags (48 pieces on a pallet / 1200 kg)

### CONSUMPTION

- Average  $1.8 \text{ kg/m}^2$  (for 1mm thickness)

### STORAGE

- Maximum 10 kraft bags can be stacked on top of each other.
- It should be stored in a moisture-free and dry warehouse which is -well-protected against atmospheric conditions weather conditions.
- Shelf life is 1 year under proper storage conditions.
- Opened packages should be kept tightly closed.



## APPLICATION

### APPLICATION PROCEDURE

**Mixing ratio:** 4,5-5,5 lt water for 25 kg bag

**Application thickness :** 3-20 mm

**Application temperature :** +5 °C ; +35 °C

**Pot Life:** 30 minutes (23 °C)

### SUBSTRATE PREPARATION

- Application surfaces must be free from dust, dirt, oil, etc. and dry, smooth and sound.
- Surfaces with high absorbency should be primed with **CERMFILM** prior to application.
- Glossy surfaces such as ceramic, exposed concrete etc. should be primed with **CERMFILM PLUS** prior to application.
- The surfaces exposed to direct sunlight and dry substrates must be cooled by damping.

### APPLICATION

- 25 kg bag of material should be slowly poured into a container containing 4,5-5,5 liters of clean water (18-22%) and mixed with a low-speed (400 rpm) hand mixer for 3-4 minutes until it reaches a homogeneous consistency.
- The mortar should be rested for 2-3 minutes and then mixed again before application.
- Spread **CERMIMORTAR 3-20** evenly on the surface by using a steel trowel with a peeling move.
- 20-30 minutes after application (when the plaster completes its initial set and the surface gets dry), the plaster surface can be smoothened by using a plain steel trowel or with a damp sponge.
- While applying during windy, sunny, hot and dry weathers, damping the smoothened surface once in 2-3 hours will prevent any cracks caused by sudden setting.



### RECOMMENDATIONS

- Do not apply it on frost hazardous or overheated surfaces, under direct sunlight and in windy weather.
- If petrification is detected after opening the bags, the product should not be used.
- The product should be used within the life of the container after mixing.
- No foreign materials such as lime, cement or gypsum should be added into the mortar.
- Amount of water indicated on the bag should be observed.
- Do not apply on unsound surfaces.
- Protect the applied surfaces against direct sunlight, rain and frost for at least 24 hours.
- Do not apply on new plastered or concrete surfaces before the curing time is completed.

### SAFETY INSRUCTIONS

- As it is cement based, 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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