

# ExperWall CG 21

COLOR OPTIONS: Grey

**25**  
±%2 KG



Plastering and  
Masonry Mortars

**998-2  
103825**

GÜVEN MADENCİLİK İNŞAAT SAN. ve TİC. A.Ş.

## CEMENT BASED, GAS CONCRETE MASONRY MORTAR

Cement based, single component, polymer added, high performance, gas concrete masonry mortar.



EASY TO  
APPLY



RESISTANT TO  
CLIMATE  
CONDITIONS

### TECHNICAL SPECIFICATIONS

Chemical Structure	Cement-based, polymer-added powder
Powder Density	1,50 g/cm <sup>3</sup> (± 0,1)
Mixture Ratio	5,75-6,25 lt water / 25 kg powder
Pot Life	1-2 hours
Compressive Strength	M5; ≥5 N/mm <sup>2</sup> (EN 1015-11)
Bond Strength	≥0,3 N/mm <sup>2</sup>
Capillary Water Absorption	0,40 kg/m <sup>2</sup>
Water Vapor Permeability	≤25 (EN 1015-19)
Chloride Content	≤%0,10
Mass per Unit Volume of Hardened Mortar	1.350 (±150) (EN 1015-10)
Thermal Conductivity	≤0,47 W/mK (EN 1745)
Consumption	4,00-6,00 kg/m <sup>2</sup>

\* All technical values are calculated at +23°C and 50% relative humidity.  
Changes in temperature and humidity change the technical values.

### ADVANTAGES

- Easy to apply.
- Suitable for water absorption of gas concrete, does not dry out quickly.
- Resistant to thermal shocks, water and frost.

### APPLICATION AREAS

- Indoors and outdoors,
- It is used for bonding building elements with high water absorption rate such as gas concrete and bricks.

### SURFACE AND APPLICATION CONDITIONS

- Ambient temperature should be between: +5°C and +35°C .
- Make sure that conditions such as frost, precipitation, strong winds and high temperatures are not present.

### SURFACE PREPARATION

- The application surface should be cleaned from dust, dirt, paint, oil and similar substances that will reduce adherence.

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## **PREPARATION OF MIXTURE**

- Using a scale, pour 5,75–6,25 liters of clean water into a clean mixing bowl.
- Slowly add ExperWall CG 21 to the bowl filled with water and mix with a low speed mixer until a homogeneous and lump free mixture is obtained.
- The mixture is allowed to rest for approximately 5–10 minutes, then mixed again for 1–2 minutes and made ready for application.
- The mixture in the container should be consumed within 1–2 hours.
- The adhesive should be spread over the entire surface, combed with a 10x10x10 mm comb and applied with the same thickness.

## **APPLICATION DETAILS**

- The mixed mesh mortar is applied to the surface with a trowel or a 10x10x10 mm wide notched trowel. Make sure that the mortar is applied over the entire surface.
- Horizontal and vertical joints should be maximum 3 mm.
- The bounded blocks should be fixed by ramming from the top and side.
- The bottom and side surfaces of the gas concrete blocks, which will be applied in the first row, are wetted with water and then the masonry process is started. It is not necessary to wet the gas concrete blocks during the laying of subsequent rows.
- Bonding should be done on the combed mortar within 10–15 minutes.

## **WARNINGS**

- Do not apply in weather conditions below +5°C, above +30°C, in rainy and/or windy weather.
- Avoid application in areas that are frozen, in areas with the risk of freezing within 24 hours, in conditions that may prevent the application or that may damage the surface after application.

## **CONSUMPTION**

- 4,00–6,00 kg/m<sup>2</sup>

## **EQUIPMENT CLEANING**

- Equipment should be cleaned with solvent immediately after use. Cured material can only be cleaned by mechanical means.

## **STORAGE AND SHELF LIFE**

- Should be stored in its unopened original packaging, in a closed, moisture-free, dry environment, protected from frost. Products should not be overloaded in a way to damage their packaging.
- Shelf life under appropriate storage conditions is 12 months from the date of production.

## **SAFETY PRECAUTIONS**

- During use and storage, work clothes, protective gloves and masks should be used in accordance with the rules of Occupational and Labor Health. Eye, mouth and skin contact should be avoided and the contact area should be washed with plenty of water.
- In more dangerous situations or in case of ingestion of the product, a specialist doctor should be consulted immediately. Food and beverages should not be brought into the application areas. Keep out of the reach of children. For detailed information, the Safety Data Sheet (SDS) should be consulted.

## **PRODUCT LIABILITY**

- Güven Madencilik İnş. San. ve Tic. A.Ş., is only responsible for the quality of EXPERAS branded products. All data presented are the result of practical and scientific studies. The manufacturer cannot be held responsible except for the use of the correct products in appropriate areas and conditions.

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## LEGAL NOTES

• The information and recommendations for the use of EXPERAS branded products are provided in good faith based on technical knowledge and experience, provided that they are maintained and handled under normal conditions and in accordance with the recommendations. Along with the products, the areas of use and surfaces may vary widely. It is necessary to ensure that the correct EXPERAS branded products are applied on appropriate surfaces and under appropriate conditions. In addition, all information and instructions regarding commercial factors and technical conformity must be strictly followed. The manufacturer cannot be held responsible for any damages and problems that may occur if not complied with. The applicator/user is obliged to make the relevant checks to ensure these details. The specifications of EXPERAS branded products may be changed when necessary. The property rights of third parties must be respected. When the order is confirmed, all existing technical conditions are essential for sales and transportation.

## REFERENCE STANDARDS

• TS EN 998-2

