

ExperTile HF 14

COLOR OPTIONS: Grey, White

25
±%2 KG



Ceramic Adhesive Mortars

C2TES1 105725

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

CEMENT BASED, HIGH PERFORMANCE, FLEXIBLE GRANITE CERAMIC ADHESIVE MORTAR (C2TES1)

Cement based, single component, polymer added, high performance and high stability, reduced slipping, S1 class very flexible ceramic, granite, porcelain adhesive mortar.



HIGH
FLEXIBILITY



EXTENDED
OPEN TIME

TECHNICAL SPECIFICATIONS

Chemical Structure	Cement based powder containing performance enhancing additives
Powder Density	~ 1,50 g/cm ³ (±0,1)
Water Mixture Ratio	6,25-6,75 lt water / 25 kg powder
High Initial Tensile Adhesion Strength	≥ 1 N/mm ²
Tensile Adhesion Strength After Water Immersion	≥ 1 N/mm ²
Tensile Adhesion Strength After Heat Aging	≥ 1 N/mm ²
Tensile Adhesion Strength After Freeze-Thaw Cycles	≥ 1 N/mm ²
Tensile Adhesion Strength After Extended Open Time (after 30 min)	≥0,5 N/mm ²
Slippage	≤0,5 mm
Transverse Deformation	2,5 mm ≤ S1 ≤ 5 mm
Pot Life	2,5-3 hours
Working Time	Maximum 30 minutes
Walkability Duration	24 hours
Consumption	4 - 6 kg /m ²

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

ADVANTAGES

- High flexibility and adhesion strength.
- Saves time and labor thanks to its long working time.
- Allows laying from top-down.
- Provides high stability; does not sag on vertical surfaces.
- Has transverse deformation feature.
- Resistant to water, frost and stresses caused by thermal shocks.

APPLICATION AREAS

Used as an adhesive mortar:

- Indoors and outdoors,
- Horizontal and vertical applications,
- On mineral surfaces,
- In places exposed to heavy pedestrian traffic such as educational buildings, hospitals, workplaces, shopping malls,
- Coating applications on cold air storages, shocking facilities and underfloor heating systems,
- In swimming pools and water tanks
- Application of medium and large sized ceramic, granite, marble, natural stone, mosaic, decorative brick etc.

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SURFACE AND APPLICATION CONDITIONS

- The application surface must be cured.
- Ambient temperature should be between +5°C and +35°C.
- Avoid application in humid, rainy and high temperature weather conditions.
- Do not apply on surfaces that are frozen, melting or in danger of rain or frost within 24 hours.

SURFACE PREPARATION

- The application surface must be clean, moist, smooth and solid. Dust, dirt, paint, oil and free particles must be removed from the surface.
- If there are any damages on the surface that may affect the application, should be repaired with ExperRepair mortar 24 hours before the application.
- If the application surface is dry, it should be wetted and kept moist. If the surface is highly water absorbent, the application should be made after priming the surface.

PREPARATION OF MIXTURE

- Pour 6,25-6,75 liters of clean water into a clean bowl. Then ExperTile HF 14 should be slowly added to the container filled with water and mixed with a low speed mixer until a homogeneous and lump-free mixture is obtained.
- The mixture is allowed to rest for 5-10 minutes and then mixed again for 1-2 minutes and made ready for use.

APPLICATION DETAILS

- The prepared mortar is applied to the surface as a contact layer and then then it's combed with a notched trowel selected according to the size of the tile.
- The adhesive mortar should contact at least 80% of the back side of the tile.
- If necessary, double-sided adhesion method should be preferred by applying adhesive mortar both on the back of the ceramic and on the surface. In this method, the combing direction of the two surfaces on which the mortar is applied should be applied perpendicular to each other.
- In order to ensure a good adhesion, air should be expelled by applying force with the help of a rubber hammer.
- The mixture in the container should be consumed within 2,5-3 hours.

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.
- Pay attention to the quantity and quality of the water added to the mortar.
- It cannot be used on gypsum panels, wooden and metal surfaces, floors exposed to heavy traffic.

CONSUMPTION

- 4,00-6,00 kg/m²

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.

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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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• 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 12004/C2TES1 Class

