

ExperTherm DK 15

COLOR OPTIONS: White

25

±%2 KG



Heat and Sound Insulation Materials

998-1 104925

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

WHITE CEMENT-BASED, 1.5 MM MINERAL TEXTURED, DECORATIVE PLASTER

White cement-based, single component, polymer added, 1.5 mm grain size, top coat decorative plaster mortar.



PERMEABLE
TO WATER
VAPOR



RESISTANT TO
CLIMATE
CONDITIONS



APPLIED AT A
THICKNESS OF
1,5 MM

TECHNICAL SPECIFICATIONS

Chemical Structure	White cement-based, polymer added, granulated powder
Powder Density	1,60 g/cm ³ (±0,1)
Water Mixing Ratio	6.50-7.00 lt water / 25kg powder
Grain Size	>1.500 µm (S4) (ISO EN 787-18)
Compressive Strength	CS IV ≥6 N/mm ² (EN 1015-11)
Bond Strength	≥0,5 N/mm ² (EN 1015-12)
Capillary Water Absorption	≤0,4 kg/m ² dk0,5 (TS EN 1015-18)
Hollow Unit Volume Weight of Hardened Mortar	1.500 kg/m ³ (±200)
Water Vapor Permeability Coefficient	<15 (TS EN 1015-19)
Thermal Conductivity	0,55 W/mK (TS EN 1745)
Pot Life	1 hours
Fire Response	A1
Full Drying Time	1-2 Days
Consumption	2,25-2,75 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

- It is applied easily and quickly.
- It forms a solid layer with high adhesion and mechanical strength.
- It contributes to heat, sound and fire insulation.
- It prevents condensation (sweating), mold and moisture.
- It has high resistance to crack formation.
- It is permeable to water vapor and allows the surface to breathe.
- It is resistant to external effects and water.
- It provides a decorative appearance.
- Exterior paints can be applied on it.
- It is lightweight and reduces the load on the building.

APPLICATION AREAS

- Indoors and outdoors,
- It is used as a topcoat decorative coating in plasters and sheathing systems.

SURFACE AND APPLICATION CONDITIONS

- The application surface must be cured.
- Ambient temperature should be between +5°C and +35°C.
- It should be avoided to apply in humid, rainy and high temperature weather conditions.
- It should not be applied on surfaces that are frozen, melting or where there is a risk of rain or frost within 24 hours.

ExperTherm DK 15

COLOR OPTIONS: White

25
±%2 KG



Heat and Sound Insulation Materials

998-1 104925

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

SURFACE PREPARATION

- The application surface must be clean, moist, smooth and solid. Dust, dirt, paint, oil and free particles should be cleaned from the surface.
- If there are any damages on the surface that may affect the application, they should be repaired with ExperRepair repair mortar 24 hours before application.
- The surface should be roughened with sandblasting and sanding operations in areas deemed necessary.
- Before application, the surface should be primed by applying ExperPrime AP 33.
- Wood-based lightweight board - thermal insulation boards and exposed concrete surfaces should be prepared for application by coating with exposed concrete primer. Subsequent plaster applications should be made after 24-72 hours depending on weather conditions.

PREPARATION OF MIXTURE

- ExperTherm DK 15 decorative plaster material is added slowly into 6.50-7.00 liters of clean water and mixed with a mixer at low speed until a homogeneous and lump-free mixture is obtained.
- The mixture is left for about 2-3 minutes, then it is mixed again for a short time and make it ready for application.

APPLICATION DETAILS

- The mixed material is applied to the surface with the help of a steel trowel.
- Make sure that the plaster is applied to the surface in equal thickness and spread over the entire surface. Application thickness should be adjusted according to the largest aggregate.
- Interconnected surfaces should be coated in a single application.
- Within 10 minutes at the latest following the application, while the material is still wet, the plaster can be patterned by making circular movements with a plastic trowel.
- If it is inevitable to interrupt the application, the surfaces should be divided into areas not exceeding 20m². The dividing process should be done with the help of adhesive paper tapes and these tapes should be carefully removed after the application before the plaster dries.
- If the air temperature is high after the application is completed, the surface should be moistened until the plaster sets.

WARNINGS

- It should not be applied at extreme temperatures or temperatures below +5oC.
- It should not be applied to hot surfaces.
- It should be avoided to apply in humid, rainy, windy and high temperature weather conditions.
- It should not be applied on surfaces that are frozen, melting or where there is a risk of rain or frost within 24 hours.
- Do not apply on surfaces with water or salt vomiting from the negative side.
- Do not apply directly on surfaces such as wood, wood, metal.
- Foreign substances such as cement, sand, gypsum, lime etc. should not be added into the material.

CONSUMPTION

- 2,25-2,75 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

- It should be stored in its unopened original package, in a closed, moisture-free, dry environment protected from frost. The products should not be overloaded in a way that would damage their packaging.
- Shelf life under proper storage conditions is 12 months from the date of manufacture.

ExperTherm DK 15

COLOR OPTIONS: White

25

±%2 KG



Heat and Sound Insulation Materials

998-1 104925

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

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.

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 998-1

