

ExperTherm TR 10

COLOR OPTIONS: Grey, White

15

±%2 KG



Heat and Sound Insulation Materials

998-1 102915

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

CEMENT BASED, POLYMER AND PUMICE ADDED, INSULATION RENDER

Cement based, polymer and pumice added, single component, multi-purpose exterior insulation plaster mortar with thermal insulation, sound and fire proofing properties.



THERMAL
INSULATION



SUITABLE
FOR MACHINE
APPLICATION

TECHNICAL SPECIFICATIONS

Chemical Structure	Cement based, polymer and pumice added powder
Dry Unit Weight	~350 kg/m³ (±100)
Wet Unit Weight	~850 kg/m³ (±100)
Water Mixture Ratio	14,00-15,00lt water / 15 kg powder
Thermal Conductivity	≤0,1 W/m.K - T1 Class
Compressive Strength	CS I ≥1 N/mm² (EN 1015-11)
Bond Strength	≥0,1 N/mm² (EN 1015-12)
Capillary Water Absorption	W1; C ≤0,40 kg/(m².minute 0,5) (EN 1015-18)
Water Vapor Permeability	≤15
Reaction to Fire	A1
Pot Life	Up to 2 hours
Full Curing Time	28 days
Consumption	4,50 kg/m² (for 10 mm application thickness)

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

ADVANTAGES

- Easy and fast to apply.
- Suitable for machine application.
- Saves labor and time.
- Forms a solid layer with high bond and durability strengths.
- Shows high resistance against crack formation.
- Provides thermal, sound and fire insulation with a single product.
- Contributes to the budget in heating and cooling costs.
- Since it does not require doweling, it prevents loss of strength that may occur as a result of drilling the surface.
- Prevents condensation (bleeding), mold and moisture.
- High water vapor permeability.
- Lightweight, reduces the load of the structure.

APPLICATION AREAS

Especially used for thermal insulation purposes:

- Exterior facades,
- In insulation applications of all mineral based surfaces such as pumice block, gas concrete, brick, briquette wall, exposed concrete etc.

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SURFACE AND APPLICATION CONDITIONS

- Ambient temperature should be between +5°C and +35°C.
- Avoid application in strong wind or sun.
- 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, 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, they should be repaired with ExperRepair repair mortar 24 hours before the application.
- The surface must be moisturized before application, it must be saturated with water in very hot and windy weather.
- Wood-based lightweight boards, thermal insulation boards and exposed surfaces should be primed with ExperPrime CP 50 or ExperPrime AP 31 exposed concrete primer and made ready for application.
- If primer is applied to the surface before ExperTherm TR 10 application, wait 24-72 hours depending on weather conditions for plaster application.

PREPARATION OF MIXTURE

- Add 14,00-15,00 liters of clean water to 15 kg ExperTherm TR 10 poured into a clean bowl. Mix with a low speed mixer until a homogeneous and lump free mixture is obtained.
- The mixture is allowed to rest for approximately 10 minutes, then mixed again for 2-3 minutes and made ready for application.

APPLICATION DETAILS

- Once the mixture is completed, apply the material to the surface with a steel trowel or machine and then smooth it with a cartridge.
- Make sure that the plaster is applied to the surface with equal thickness and spreads over the entire surface.
- The application thickness of the first coat should be between 20-40 mm.
- After the first coat has set, apply the second coat in the same way.
- The application thickness of the second coat should be between 10-20 mm.
- The waiting time between the coat is approximately 24 hours depending on weather conditions.
- The surface must be ruled to obtain a smooth surface.
- The surface should be moisturized for 2-3 days after application.

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.
- Wait 2-3 days, depending on weather conditions, for the topcoat to be applied.
- Dilatation joints must be observed in the application area, if any.
- Profiles suitable for the thickness of the topcoat to be applied, should be used.
- No foreign materials such as lime, cement, gypsum etc. should be added to the prepared mortar.

CONSUMPTION

- 4,50 kg/m² (For 10 mm application thickness)

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.

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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

