

ExperTherm TR 11

COLOR OPTIONS: Grey

25

±%2 KG



Heat and Sound Insulation Materials

13687 103025

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

CEMENT BASED, RENDER FOR THERMAL INSULATION BOARD

Cement based, single component, render for thermal insulation board containing polymer additives to improve product performance and workability.

**EXCELLENT
BONDING****NO SAGGING****NO CRACKING**

TECHNICAL SPECIFICATIONS

Chemical Structure	Cement-based, polymer-added powder
Powder Density	~1,50 gr/cm ³
Granulation	1 mm plus sieve ≤1% (TS EN 1015-1)
Water Mixture Ratio	5,75-6,25 lt water / 25 kg powder
Mass per Unit Volume of Fresh Mortar	1.500 kg/m ³ (± 100)
Mass per Unit Volume of Hardened Mortar	1.250 kg/m ³ (± 200)
Pot Life	3 hours
Bond Strength to Thermal Insulation Board	≥0,08 N/mm ² (TS EN 13494)
Compressive Strength	≥6,0 N/mm ² (EN 1015-11)
Water Absorption	≤0,5 kg/(m ² .minute 05) (TS EN 1015-18)
Water Vapor Permeability (μ)	≤15 (TS EN 1015-19)
Thermal Conductivity	0,61 W/mK (TS EN 1745 - Table A12) (P.50%)
Reaction to Fire	A1
Consumption	4,00-6,00 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

- Easy to apply.
- Suitable for hand and machine applications.
- Provides excellent bonding to thermal insulation boards.
- Provides a smooth and even surface.
- High flexibility.
- Provides high stability, no sagging and cracking.
- It is water vapor permeable and allows the surface to breathe.
- Resistant to thermal shocks, water and frost.
- Can be overpainted.

APPLICATION AREAS

Used as surface plastering material:

- Indoors and outdoors,
- On EPS, XPS and rock wool thermal insulation boards.

SURFACE AND APPLICATION CONDITIONS

- The ambient temperature should be between +5 C and +30 C.
- Avoid application in humid, rainy, windy and high temperature weather conditions.
- Do not apply on surfaces that are frozen, melting or in danger of rain or frost within 24 hours.

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SURFACE PREPARATION

- Make sure that the thermal insulation boards to be applied are well adhered to the surface.
- If there are large gaps between the boards, they should be filled with the same insulation material or PU foam.

PREPARATION OF MIXTURE

- Add 5,75-6,25 lt of clean water to 15 kg ExperTherm TR 11 poured into a clean bowl. Mix with a low speed mixer until a homogeneous and lump free mixture is obtained.
- The prepared mixture is allowed to rest for 5-10 minutes depending on the weather conditions, then mixed again for 1-2 minutes and made ready for use.

APPLICATION DETAILS

- The first coat of the mixed material is applied to the surface with the help of a steel trowel.
- Application thickness is 2 mm on average in a single coat.
- While the first coat of plaster is still wet, ExperBrace RM 20 reinforcing mesh is stretched and pressed over the entire surface from top to bottom and embedded into the plaster. In order to prevent cracking, the reinforcing mesh should be applied by overlapping 10 cm at the joints.
- In beams, window and door frames, the reinforcing mesh should be rotated at least 20 cm.
- Mesh corner profiles should be used in corners.
- The second coat of plaster should be applied 3-4 hours after the first coat.
- The second coat is applied in the same way with a steel trowel at an average of 2 mm.

WARNINGS

- Avoid application in humid, rainy, windy and high temperature weather conditions.
- Do not apply on surfaces that are frozen, melting or in risk of rain or frost within 24 hours.
- Do not apply on dilatation joints, use a dilatation profile for these sections.

CONSUMPTION

- 4,00-6,00 kg/m²

EQUIPMENT CLEANING

- Equipment should be cleaned with clean water 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 13687

