

ExperTherm DR 13

COLOR OPTIONS: White

25
±%2 KG

WHITE CEMENT BASED, MINERAL TEXTURED, DECORATIVE RENDER

White cement based, single component, polymer added, 2mm grain sized, topcoat decorative plaster mortar.

**PERMEABLE TO
WATER VAPOR****RESISTANT TO
CLIMATE
CONDITIONS**

TECHNICAL SPECIFICATIONS

Chemical Structure	White cement-based, polymer-added granular powder
Powder Density	~1,60 g/cm ³ (±0,1)
Water Mixture Ratio	5,75-6,25 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)
Mass per Unit Volume of Hardened Mortar	1.500 kg/m ³ (±200)
Water Vapor Permeability	<15 (TS EN 1015-19)
Thermal Conductivity	0,55 W/mK (TS EN 1745)
Pot Life	1 hour
Reaction to Fire	A1
Full Drying Time	1-2 days
Consumption	2,80-3,00 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 and fast to apply.
- Forms a solid layer with high bond and durability strengths.
- Contributes to thermal insulation, sound and fire proofing.
- Prevents condensation (bleeding), mold and moisture.
- High resistance to crack formation.
- It is water vapor permeable and allows the surface to breathe.
- Resistant to external conditions and water.
- Provides decorative appearance.
- It can be overpainted.
- Lightweight, reduces the load of the structure.

APPLICATION AREAS

Used as a topcoat decorative coating:

- In interior and exterior facades,
- On plastering and sheathing systems.

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.

Heat and Sound Insulation Materials

998-1 103225

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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 repair mortar 24 hours before the application.
- The surface should be roughened with sandblasting and sanding operations in areas deemed necessary.
- Prior to application, the surface should be primed by applying ExperPrime AP 33.
- Wooden lightweight boards, 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 DP 13 decorative plaster should be added slowly into 5,75-6,25 litres of clean water and mixed with a mixer at low speed until a homogenous and lump-free mixture is obtained.
- The mixture is allowed to rest for about 2-3 minutes, then mixed again for a short time and made ready for application.

APPLICATION DETAILS

- Mixed material is applied to the surface with the help of a steel trowel.
- Make sure that the plaster is applied evenly and spread over the entire surface. Application thickness should be adjusted according to the largest aggregate.
- Interconnected surfaces should be coated in a monolithic application.
- Within 10 minutes at the latest following the application, while the material is still wet, the plaster can be textured by making circular movements with a plastic trowel.
- If it is inevitable to take a break of the application, the surfaces should be divided into areas not exceeding 20m². The splitting 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

- Do not apply in extreme heat or temperatures below +5oC.
- Do not apply on hot surfaces.
- 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 surfaces with water bleeding or salt efflorescence 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

- 2,80-3,00 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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REFERENCE STANDARDS

• TS EN 998-1

