



THERMOCEM FINISH PLASTER

Cement-based finishing plaster

EN 998-1

Description

THERMOCEM FINISH PLASTER is a cement-based finishing plaster, for interior surfaces. Suitable for application on substrates such as conventional cement renderings and lightweight plasters such as Thermocem or Thermocem T2 (all Peletico products - see *Technical Specification Sheets*).

Technical Specifications

Density	:	≈ 1.10 Kg/L
Density of fresh mortar	:	≈ 1.70 Kg/L
Mixing ratio (water/THERMOCEM FINISH PLASTER)	:	8.5 – 9.5 L / 25 Kg
Substrate temperature	:	+5°C min. / +35°C max.
Ambient temperature	:	+5°C min. / +35°C max.
Reaction to fire	:	Class A1
Compressive strength		CSIII
Flexural Strength	:	≥ 3N/mm ²
Adhesion strength	:	0.5 N/mm ² – FP:B
Water absorption	:	W0
Water vapour permeability coefficient	:	μ5
Thermal conductivity (λ_{dry})	:	≤ 0.44 W/mK (tab. mean value, P=50%)
Pot life	:	at least 3 hours at 23°C
<u>Consumption:</u> 1.23 – 1.27 Kg/m ² per mm of thickness		

Instructions for Use

SURFACE PREPARATION

All substrates should be clean, free of dust, oil, residues of other building materials, etc. before applying the plaster. The substrate must be sprayed with water, before applying **THERMOCEM FINISH PLASTER**, especially in periods of hot weather. In such case, surface film should be allowed to dry after spraying, so as not to inhibit adhesion of the mortar.

MIXING

All equipment and containers should be clean, free of dust, residues of previous mixtures and/or other building materials, etc. so as to not adversely affect the setting time and the mechanical properties of the product.

Depending on the desired density and consistence, mix 25 Kg (1 bag) of **THERMOCEM FINISH PLASTER** with 8.5 – 9.5 L of clean water. While stirring, add the proportional quantity of dry powder.

Use a low-speed mechanical stirrer for the preparation of the mortar. Mix for at least 3 minutes, until a homogeneous, free of lumps mixture is obtained and the desired consistency is achieved.

The pot life of the mixture is at least 3 hours, if stirred periodically. In case the mixture has started to set before it's used, then dispose immediately without using it. In any case, do not add additional water for remixing and/or for improving its workability.

APPLICATION CONDITIONS

Use only at temperatures between +5°C and +35°C. During winter or periods of low temperatures (5-10°C), it is advisable that warm water (approx. 30°C), is used for the mixing and if possible, the application to be performed during noontime. On the contrary, use cool water (approx. 20°C), for the mixing during summer and generally at ambient temperatures exceeding or expected to exceed 35°C.

APPLICATION

Apply **THERMOCEM FINISH PLASTER** in two layers of 1mm approximately each. The first layer (scratch coat) will fill holes and irregularities of the substrate, while the second will add thickness to the final coating. The total thickness of the coating shall not exceed 2 - 3mm. Apply the second coating only after the first one has set. The final layer is finished with a spongy float.

Take special care that, starting 24 hours after it's been applied, the finished plaster is periodically sprayed with water for up to 2-3 days, especially during hot and/or windy weather, or generally when intense evaporation of the mixing water is likely to occur.

DECORATION

Ideally, **THERMOCEM FINISH PLASTER** should be allowed to cure for at least 2-3 weeks before decorating. For better results, it is advised to sand the final surface before decoration. Before being decorated, surface should be smoothed using sandpaper and primed with either Peletico's EcoPrimer or Sherwin-Williams® ProMar® Masonry Conditioner (see note 1).

Final surface can be decorated using emulsion paints, enamel paints, acrylic paints, etc. (all available from Peletico). For more information about the specifications of each of the above products, please refer to the analytical Technical Data Sheet.

CLEANING OF EQUIPMENT

Clean all tools and mixing equipment thoroughly with plenty of water after completion of work, while the plaster hasn't set. Use mechanical methods to remove hardened material.

REMARKS / LIMITATIONS

- Use only fresh, clean water for both mixing and cleaning.
- Avoid using material which was stored in open bags for a long period of time, as it may contain lumps or be contaminated.
- Never add water or new product to the mixture which has started to set, in order to improve its workability.
- Do not add cement, gypsum, sand or any other materials to the supplied product, as this will negatively affect the end results of the product.
- Avoid using the product under extreme weather conditions, such as direct sunlight and strong winds.

PACKAGING

25 Kg multiwall paper bags (one layer of which is made of PE-HDPE).

STORAGE / SHELF LIFE

Store under dry conditions and away from direct sunlight, in a sheltered, free from water and moisture area. Store in closed bags preferably in the original packaging, onto a pallet or generally without direct contact with the floor.

The product has a shelf life of up to 3 months from production date, when stored properly in the original, unopened bag

**Health
and Safety
Measures**

- The product contains cement, which reacts as alkaline with water, moisture, sweat and/or other body fluids so it is classified as irritant. Follow normal precautions as with all cementitious materials and products.
- Harmful in contact with skin.
- Harmful if inhaled.
- Harmful if swallowed.
- May cause respiratory irritation.
- Keep out of reach of children.
- Wash body and clothes thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear respiratory protection.
- Please refer to Safety Data Sheet for more information and advices regarding the safe handling, storage, use and disposal of the material.

Note 1: *Peletico's EcoPrimer: Water based acrylic primer for interior and exterior surfaces. (See Technical Specification Sheet)*

PROMAR® MASONRY CONDITIONER: Solvent based primer for interior and exterior surfaces. (See Technical Specification Sheet).

Note 2: *All Technical Data provided on section "Technical Specifications" are based on laboratory trials and tests, under conditions which may significantly differ from the ambient application conditions. Therefore, the actual technical characteristics may vary due to conditions or circumstances beyond company's control.*

Note 3: *The information provided by our Technical Data Sheets or given by our employees, agents or distributors concerning the use of our products, is based upon extensive research and experience and are provided in good faith in order to help you.*

We guarantee the consistent high quality of our products; however, as we have no control over site conditions of the executions of work, we cannot accept any liability for any loss or damage, which may arise as a result thereof.

Note 4: *All cement based products, must be stored in dry sheltered places, on wooden pallets. Even under these circumstances, the products are influenced by the atmospheric moisture after a period of time. Since this period is not defined or standard, we strongly advise our customers not to use hardened products or if, generally, its quality due to storage is uncertain.*

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