PELELITE BONDING TRICOTE (T2)

Thermal insulating undercoat plaster (T2)
based on gypsum and expanded perlite

EN 13279-1 CE

Description

PELELITE BONDING TRICOTE (T2) is a thermal insulating undercoat plaster (T2) based on gypsum and expanded perlite. It is suitable for internal application on clay bricks, concrete blocks (regular or aerated), stone and metal lath. It is ideal for preserving old listed buildings.

Classified as a Thermal Insulating **(T2) C4/60/1,5** Gypsum Plaster, according to **EN 13279-1.**

Technical Specifications

Density	:	~0.5 kg/L
Density of fresh mortar	:	~0.9 kg/L
Mixing ratio (water/**PELELITE BONDING TRICOTE (T2)**)	:	~20 L / 50 L
Substrate temperature	:	+5°C min. /+35 °C max
Ambient temperature	:	+5°C min. /+35 °C max
Reaction to fire	:	Class A1
Compressive Strength	:	≥ 1,5 N/mm^2
Flexural Strength	:	≥ 0,8N/mm^2
Adhesion Strength	:	≥ 0,1 N/mm^2
Thermal conductivity (λ_{dry})	:	≤ 0,15 W/mK (tab. mean value)
Pot life	:	at least 30 min. at 23°C
Setting time	:	at least 60 min. at 23°C
Consumption: 11.5 – 13.5 L/m^2 of **PELELITE BONDING TRICOTE (T2)** for a layer thickness of approximately 10 mm 25 – 29 L/m^2 of **PELELITE BONDING TRICOTE (T2)** for a layer thickness of approximately 20 mm over metal lath		

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 **PELELITE BONDING TRICOTE (T2)**, especially in periods of hot weather, so as to avoid rapid absorption of the mixed water. When applying **PELELITE BONDING TRICOTE (T2)** over high absorbent substrates, it is advisable that these are firstly primed with a mixture of Pelebond: water in a ratio of 1:3 to 1:5 (by volume). Pelebond is Peletico's product and for further information please refer to the analytical Technical Data Sheet.

In any case, the substrate with the applied primer should be perfectly dry before applying the plaster. Brick walls should be plastered not earlier than 3-4 weeks from construction, due to the shrinkage of joints during this period.

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.

1119

Depending on the desired consistency, add approximately 20L of clean water for every bag (50L) of **PELELITE BONDING TRICOTE (T2)**.

The mixture is prepared using a low speed electric mixer in an appropriate mixing container. When small quantities are required, mixing can also be done by hand. Add the appropriate amount of water and while stirring, slowly add the dry powder. Mix until a homogeneous, free of lumps mixture is obtained and the desired consistency has been achieved. Extended mixing should be generally avoided, in order to decrease the possibility of crashing the expanded perlite.

If stirred periodically, the pot life of the mixture is at least 30 minutes, depending on the weather conditions. In case the mixture has started to set before it is 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
PELELITE BONDING TRICOTE (T2) is applied on layers of approximately 10mm.
After applying the guides at the desired thickness, apply one layer of **Pelelite Bonding Tricote (T2)** using a steel trowel, and level to an even surface. Allow the plaster to settle and re-treat if necessary. After the initial setting has been achieved, wet the plaster's surface with a sponge and smoothen using a finishing trowel. In cases where a second layer is required, then the substrate should be cross-scratched and allowed to settle before application.

On metal lath apply **PELELITE BONDING TRICOTE (T2)** in two layers, of approximately 10mm each. For better bonding results, it is advisable that the first layer penetrates through the metal lath to a depth of at least 10mm, then marked and allowed to settle before the second layer is applied.

The setting time of **PELELITE BONDING TRICOTE (T2)** on metal lath differs than when applied over other substrates, so, it is crucial that the plaster is protected from extreme weather conditions during setting time.

It is advisable to apply the finishing coat, **PELELITE FINISH,** on **PELELITE BONDING TRICOTE (T2)** on the same day, in order to achieve better adhesion results.

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 containers 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
50L 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 6 months from production date, when properly stored in the original, unopened bag.

Health and Safety Measures

- Follow Good Hygiene Procedures during work.
- Harmful in contact with skin.
- Harmful if inhaled.
- May cause respiratory irritation.
- Keep out of reach of children.
- Wash body and clothes thoroughly after handling.
- When using, do not eat, drink or smoke.
- Harmful if swallowed.
- Wear respiratory protection.
- For further and complete information concerning the safe use of the product, please refer to the latest version of Safety Data Sheet.

***Note 1**: 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 2:** 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 3:** All gypsum 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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