

Plaster Mortar for Thermal Insulating Boards

Description

eile PLS 2000; is a ready for use, fiber and polymer reinforced plaster mortar prepared to get a thin layer plaster on the thermal insulating board. It is used for jacketing the thermal insulation boards of exterior walls, on concrete surfaces and as a plaster before painting.

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Areas of Usage

It is used for plastering the board surfaces such as extruded and expanded polystyrene, rock wool and glass wool used for thermal jacketing of exterior walls.

Features of Product

- *It is waterproof.
- *It adheres perfectly.
- *It is easy to prepare and apply.
- *It has a long working period.
- *It can be painted.
- * It does not crack or contract.

Application Procedure

Surface Preparation

The application boards must be clean and dry, and strongly adhered to the surface.

Mixing

A clean mixing bowl is filled with the necessary amount of water by means of a scale. Then, **eile PLS 2000** is slowly added. It is mixed with a low speed mixer for 3 - 5 minutes until obtaining a homogenous mixture. The mixture waits for 5-10 minutes and mixed again for 20-30 seconds to get it ready for use.

Mixture ratio

5.5- 6.5 liters of water for 25 kg of powder
0.220-0.260 liters of water for 1 kg powder

Application

eile PLS 2000 plaster mortar is applied on thermal boards that are adhered with **eile PLY 2100**. Then, the plaster mesh is immersed in the first layer. Then, the second layer of plaster is applied. The plaster surface can be leveled with a wet sponge. After the surface cure is removed, any coating of preferred color and appearance can be applied.

Points to take into consideration

* For **PLS 2000** application, if the ambient temperature is below +5°C or above +30°C, the suitable conditions should be met. Extremely hot, rainy or windy weather is not suitable for application.

***eile PLS 2000** should not be applied thicker than 4 mm.

* The crusted **eile PLS 2000** in the bowl should not be mixed with water and new material.

*It should not be applied on the surfaces which are frozen, melting or under the risk of frost within 24 hours.

* The prepared mixture should be used at 20 °C within 120 minutes

* It should be cured with water in extremely hot weather.

Technical Specifications

Structure of the material: Mineral fillings, special additives and cement.

Color: Grey

Application thickness: 3-4 mm

Consumption: 1.25-1.5 kg/m² (for 1 mm)

Usage period: 2 hours (20 °C)

Application temperature: +5 °C /+30 °C

Maturation period: 5-10 minutes

Adherence strength to the thermal insulating board: ≥0.08 N/mm²

Compressive resistance: ≥ 6 N/mm²

Bending resistance: ≥ 2 N/mm²

Hollow bulk density of the fresh mortar: ≥ 1150 kg/m³

Sieve analysis (the residues left on the sieve which has 1 mm aperture size): ≤ % 1

Water absorption: ≤ 0.5 kg / m² minute^{0,5}

Water vapor permeability coefficient: μ ≤ 15

Thermal conductivity: ≤ 0.35 W/mK

The typical values above are valid for the performances of the applications 28 days after their completion at +23°C for 50% relative humidity. The values might change due to the differences in the worksite environment.

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Cleaning of Tools

The tools and equipment used during the application should be cleaned with water. **eile PLS 2000** can be removed only mechanically after it hardens.

Package

Kraft sack of 25 kg

Storage:

Best stored in cool and dry place in their unopened package with a maximum 10-fold stacking.

Shelf Life:

12 months following the production date under the specified storage conditions.

Safety Recommendations: Please wear the coveralls, protective gloves, glasses and mask suitable for occupational health and safety. Make sure that it does not contact the skin and the eyes; in case it does, wash with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep out of the reach of children. Keep food and drinks away from the application areas.

Responsibility: In case the recommendations and application conditions specified above are not conformed, the applications (misuse) do not fall under the responsibility of **POMZA EXPORT A.Ş.**, the producer of **eile POMEX branded products**. The user is responsible for whether the product is used in accordance with its purpose, as well as the validity of application conditions and forms. **eile Pomex Construction Chemicals** does not accept any indemnity claim concerning the results, work accidents, direct or indirect damages or losses due to the misapplication of the products.

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