

eile PLY 2100

TSE K

Cement Based Polystyrene Board Adhesive Mortar Used in Thermal Insulation

Description

eile PLY 2100 is a ready for use, cement based adhesive mortar, polymer modified, fiber reinforced that is devised to adhere thermal boards used indoors and outdoors.

Certified to TSE K Document.

**Ministry of Environment and Urban Planning Pos.
No: 04.480**

Areas of Usage

It is used in fixing the boards on the wall such as extruded and expanded polystyrene, rock wool and glass wool used for thermal jacketing of exterior walls.

Features of Product

- *It adheres perfectly, and it is waterproof.
- *It has a long working period, and saves from material.
- *It is easy to prepare and apply.

Application Procedure

Surface Preparation

The application boards must be clean. All kinds of loose parts that could decrease adherence should be mechanically removed. The application surface must be saturated with water to prevent rapid water loss of the material. Only the material to be used should be mixed.

Mixing

A clean mixing bowl is filled with the necessary amount of water by means of a scale. Then, **eile PLY 2100** 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

Consumption

4-5 kg/m²

Application Method

It is applied as a strip of 5 mm along with the adherence surface edges of thermal insulating boards. Three big pieces are spotted on the midpoint of the boards using a mortar trowel. 40% of the surface area of the jacketing board should be covered with the adhesive. If the application surface is too smooth, adhering process can be carried out with a notched trowel.

Points to take into consideration

- * For **PLY 2100** 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.
- *It cannot be applied on weak surfaces.
- * **eile PLY 2100** started to crustate should not be mixed with water and new material.
- *The prepared mixture should be used within 90 minutes.
- *Plaster application on the board surfaces adhered with **eile PLY 2100** should take place at least 2 days later.
- *The adhered thermal insulation boards are fixed on the surface with proper plugs.

Technical Specifications:

Structure of the material: Mineral fillings, special cement.
Color: Grey
Application temperature: +5 °C /+30 °C
Maturation period : 5-10 minutes
Usage period: 90 minutes (20 °C) Pot Life
Adherence strength to the lower layer: ≥ 0.5 N/mm ²
Adherence strength to the thermal insulating board: ≥0.08 N/mm ²
Compressive strength: ≥ 6 N/mm ²
Bending resistance: ≥ 2 N/mm ²
Hollow bulk density of the fresh mortar: ≥ 1000 kg/m ³
Sieve analysis (the residues left on the sieve which has 1 mm aperture size): ≤ % 1
Water absorption: (after 30 minutes) ≤ 5 gr
Water absorption: (after 240 minutes) ≤ 10 gr

The typical values above are valid for the performances of the applications 28 days after their finish 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 PLY 2100** can be removed only mechanically after it hardens.

Packaging

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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