

ARKIM ARPLAST LF/7222**Definition**

Cement based surface plaster for thermal insulation boards

Application area

- It is a plaster used on polystyrene boards (XPS, EPS, Rockwool) in all buildings . It provides high performance thanks to polypropylene fibers against tensions that may occur on wall surfaces with crack risk.

App features

- Usable time max.90 minutes
- Working time max. 20-30 minutes
- Application thickness 4 mm
- Applicable layer thickness max 2 mm
- Waiting time between floors min. 3-4 hours
- Time to wait for topcoat application: 7 days

Surface preparation

- The surfaces on which ARKIM ARPLAST LF will be applied should be free of dust, dirt, oil, etc. It should be cleared of residues that will prevent sticking, such as
- If there are defects on the application surface, they are corrected with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.
- Care should be taken to ensure that the surface is cured and solid.
- If the application surfaces are porous, they should be wetted.
- Care should be taken to ensure that the applied surface is on a solid carrier and also in balance.

Application conditions

- Ambient temperature between +5 °C and +35 °C,
- It should not be applied on frozen, melting or frost risk surfaces within 24 hours.
- It should not be applied under direct sun, strong wind or on hot surfaces.

Warnings and Advice

- Absolutely no foreign substances should be added.
- After the application, all the tools used should be washed with water before they dry.

Application tools

Hand mixer, steel trowel, reinforcement mesh

Application

- The container in which the mortar will be prepared must be clean and free from the residues of the previous mixture.

Attention should be paid to the cleanliness of the water and materials used.

-Mortar 6-6.5 liters of water25 kg ARKIM ARPLAST should be prepared in LF ratio.

-Water is poured into the container first, and then the powder is gradually sieved. It is mixed until a homogeneous mixture is obtained.

-A low speed mixer should be used to make the mixture homogeneous.

-After obtaining a homogeneous mixture, it is rested for 5-10 minutes for the mortar to mature.

-It should be mixed again for 1-2 minutes before starting the application.

- After the mixture becomes homogeneous, no powder, water or any other substance should be added.

-The mortar is applied neatly on the thermal insulation boards with a steel trowel.

- Plaster reinforcement mesh (fiber-mesh) is buried by pressing lightly on the plaster mortar before it dries, with the help of a steel trowel.

-In the joints of the plaster mesh, approximately 10 cm overlap is made.

-one. After the layer of plaster is slightly watered, the second layer of plaster is applied before it dries.

-2. After the layer of plaster is applied, the surface is smoothed with a steel trowel.

-The prepared mortar should be consumed within 3 hours.

-Expired or crusted mortar in the container should be discarded.

-After the application, hands and application tools should be washed with plenty of water.

Any coating can be applied after the surface has cured.

Consumption

Approx. 3-3.5 kg/m² (for 2 mm thickness)

- Storage should be done indoors and in areas away from direct sunlight.
- The bags should be stored in such a way that they do not touch the ground and be protected from moisture.
- Under these conditions, the product can be stored for 12 months from the date of manufacture.
- Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.

• Performance Information

- Unit Volume Mass of Fresh Mortar with Holes: $\geq 1150 \text{ kg/m}^3$
- Cavity Unit Volume Mass of Hardened Cement-based Plaster: $1450 \pm 250 \text{ kg/m}^3$
- Sieve analysis: Amount remaining on the sieve at 1 mm aperture $\leq 1.0\%$
- Thermal Conductivity: $P= 50\% \lambda \leq 0.77 \text{ W/mK}$
- Flexural Strength: $\geq 2 \text{ N/mm}^2$
- Compressive Strength: $\geq 6 \text{ N/mm}^2$
- Adhesion Strength to Thermal Insulation Board: $\geq 0.08 \text{ N/mm}^2$
- Capillary Water Absorption: $\leq 0.5 \text{ kg/m}^2 \cdot \text{min}^{0.5}$
- Water Vapor Permeability Coefficient: $\mu \leq 15$
- Fire Class: A1
- Temperature resistance: $+5^\circ \text{C}$ to $+30^\circ \text{C}$
- Note: The application properties have been obtained as a result of experiments carried out in a laboratory environment ($23 \pm 2^\circ \text{C}$ and $50 \pm 5\%$ humidity and no air flow) and may vary according to different ambient conditions. Performance information has been tested in the environments specified in accordance with the relevant standard of the product, and results may differ in different environments.

• Reference Standards

- TS 13687
- G
- Public Works Pos No: 04.481

• PACKAGING

- 25 kg Kraft bag,
- 64 pieces per pallet, 1600 kg

▪ Physical state

- Gray, powder

• Storage Conditions

- Care should be taken to place a maximum of 10 layers of Kraft bags on top of each other during storage.