

## ARKIM ARTHERM MIX/7233

### ■ DEFINITION

It is a cement based, thermal insulation board fiber reinforced adhesive and plaster mortar.

### ■ SCOPE OF APPLICATION

- It is used for sticking and plastering thermal insulation boards on interior and exterior facades of all buildings (XPS, EPS, ROCK WOOL).

### ■ APPLICATION FEATURES

-Usable time max. 2 hours  
-Working time max. 10-15 minutes

### ■ SURFACE PREPARATION

- The surfaces on which ARKIM ARTHERM MIX will be applied must 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 SUGGESTIONS

-Absolutely no foreign substances should be added.  
-After the application, all the tools used should be washed with water before they dry.  
-It is not applied in unstable low-resistance places.

### ■ APPLICATION TOOLS

Hand mixer, steel trowel, notched trowel

### ■ APPLICATION INSTRUCTIONS

#### Application Instruction (Adhesive Application)

-Make sure that the surface is cured and solid. Clean the surface from residues that will prevent adhesion. If there are defects on the application surface, they are corrected with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.

Slowly pour 25 kg of powder mortar onto 5.5-6.5 liters of water and mix until there are no lumps. Let the mortar rest for 5-10 minutes to mature, mix it again before starting the application.

-If there are level differences on the surface; Apply the mortar to the back of the insulation board uninterruptedly along all the edges, and to the middle part as punctuation and stick it to the wall by pressing.

-If the surface is smooth; Adhesive mortar can be applied to the back of the boards by carding method.

- During the bonding process, check whether the plates are at the same level with a gauge or spirit level.

- Consume the prepared mortar within 3 hours, throw away the expired mortar.

-Depend on the ambient temperature and surface properties, perform the mechanical anchoring process at least 24 hours later.

#### Application Instruction (Plaster Application)

-Heat insulation board surfaces must be dust-free and clean.

Slowly pour 25 kg of powder mortar onto 5.5-6.5 liters of water and mix until there are no lumps. Let the mortar rest for 5-10 minutes to mature, mix it again before starting the application.

- Spread the mortar neatly on the heat insulation boards with a steel trowel. To obtain a homogeneous thickness, comb the first layer of plaster with a notched trowel with a tooth thickness of 4x4 mm. Bury the plaster reinforcement mesh with the help of a steel trowel by pressing lightly on the plaster mortar before it dries.

- Overlap each other by approximately 10 cm at the joints of the plaster mesh.

-one. After the second layer of plaster is slightly drained, 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.

- Consume the prepared mortar within 3 hours, throw away the expired mortar. After the plaster mortar is completely dry, apply the breathable top coat material.

**■ CONSUMPTION**

Approximately 4-5 kg/m<sup>2</sup> (for 2 mm thickness)

**• PERFORMANCE INFORMATION**

- Unit Volume Mass of Fresh Mortar with Holes:  $\geq 1400\text{kg/m}^3$
- Sieve analysis: Amount remaining on the sieve at 1 mm aperture  $\leq 1.0\%$
- Flexural Strength:  $\geq 2\text{ N/mm}^2$
- Compressive Strength:  $\geq 6\text{ N/mm}^2$
- Adhesion Strength to Thermal Insulation Board:  $\geq 0.08\text{N/mm}^2$
- Water Absorption: for 30 minutes;  $\leq 5\text{g}$
- Water absorption: for 240 minutes;  $\leq 10\text{g}$
- Water Vapor Permeability Coefficient:  $\mu \leq 15$
- Thermal Conductivity:  $\leq 0.44\text{ W/mK}$  (P: 50%)
- Bond Strength:  $\geq 0.5\text{ N/mm}^2$
- 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 13566-TS 13687

**• PACKAGING**

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

**■ PHYSICAL STATE**

- Gray, powder

**■ STORAGE**

-It can be stored for 12 months from the date of production, provided that it is placed in a maximum of 10 layers of kraft bags in its original package without being opened in a dry and frost-free environment.