

ARKIM ARPLAST HAND/7111-7122**Definition**

Cement-based, manually-applied, mill-mixed roughcast

Area of application

-It is applied on interior and exterior brick, gas concrete, concrete, exposed concrete, pumice and briquette wall and ceiling surfaces.

Application features

- Using period: max. 2 hours
- Using period: max. 20 minutes
- Application thickness: 10-30mm
- Applicable layer thickness: Max. 20mm
- Time to wait between layers: Min. 1 day
- Primer layer thickness: Max. 10 mm
- Time to wait after priming: 30 min.

Surface preparation

- The surfaces on which ARKIM ARPLAST HAND will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.
- Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.
- It is necessary to make sure that the surface has been cured and robust.
- If they are porous, the application surfaces must be dampened.
- It is necessary to make sure that the application surface is robust, self-supporting and level.

Application conditions

- Ambient temperature should be between +5 °C and +35°C
- Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.
- Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and Advices

- Strictly avoid adding foreign substances.
- After the application, all tools used must be washed with water before letting them dry.

Application tools

Hand mixer, steel trowel, smoothing trowel, gauge interfacing

Application

- The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.
- It is necessary pay attention to cleanliness of the water and materials used.
- The mortar must be prepared by using 6-6.5 liters of water and 25 kg of ARKIM ARPLAST HAND.
- Firstly, water is poured into the container, and then the powder is added slowly. They are mixed until a homogeneous mixture is obtained.
- A low speed mixer must be used to obtain a homogeneous mixture.
- After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.
- Before starting the application, the mixture must be remixed for 1-2 minutes.
- After the mixture has become homogeneous, never add powder, water or another material.
- The mortar is applied to the application surface with steel trowel and mortar shovel.
- The application thickness in one coat must remain between 10 mm and 30 mm. If a second layer of plaster is required, application must be made before previous layer is fully cured.
- Surface finishing job is made 5-10 minutes later.
- When the coating is so hardened that it does not move as you touch with your finger, it can be readjusted by using a trowel.
- Sponge clover is done briefly by wetting the surface approximately 30 minutes after correction operation, thus completing the process.
- In order to reinforce the strength of the roughcast; it must be watered at regular intervals throughout 7 days after the application, depending on the ambient conditions.
- The prepared mortar must be consumed within 2 hours.
- The caked mortar in the container or the mortar the using period of which is over must be discharged.

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-Wash your hands and application tools with plenty of water after the application.

■ Consumption

Approximately 10-12 kg/m² (for 10 mm thickness)

• Performance Details

- Dry Bulk Density: 1450 ± 300kg/m³
- Thermal Conductivity: Chart 2 T1≤ 0.54 W/mK (P=90%)
- Compressive Strength: CS IV (≥ 6 N/mm²)
- Adhesive Strength: 0.3 N/mm² FP: A
- Capillary Water Absorption: W₀ (≤ 0.5 kg/m².min^{0.5})
- Water Vapor Permeability Coefficient: ≤30μ
- Fire Class: A1
- Temperature resistance: between -30°C and +60°C
- Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

• Reference Standards

- TS EN 998-1 / Class: GP
- CE

• Packaging

- 25 kg Kraft bag
- Pallet: 64 pieces of 1600 kg in total

■ Physical form

- Gray-white, powder

• Storage Conditions

- It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.
- This product must be stored in dry indoor areas away from direct sunlight.
- Bags must be stored so as not to contact with the ground in order them to be protected against humid.
- Under such conditions, the product can be stored for 12 months as of the production date.
- Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.