

## ARALCI ARMORE CONCENTRATED MACHINE PLASTER PLASTER

### ■ Definition

It is a ready-made plaster plaster that can be applied by spraying with a machine, with extended freezing and processing times, increased heat and sound insulation properties, and the most suitable square meter cost and the highest application performance.

### ■ Application area

- It can be easily applied to brick, briquette, gas concrete, concrete and exposed concrete type surfaces.

### ■ App features

- Fixing time: max. 60 minutes
- Cream time: 90 – 120 minutes
- Steel trowel usage: 120 – 150 minutes
- Application thickness: min. 8mm, max. 10mm, 8-20mm on other facades (for single coat)
- Freezing time: min. 50 minutes
- It is a non-combustible building material.
- Does not produce bacteria and fungi.

### ■ Surface preparation

- The surfaces to 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.
- Metal surfaces should be protected against rust before applying.
- Before the application, the aluminum panels should be placed vertically on the wall.
- ARKIM ARKONTAK primer should be used to increase the adherence to roughen the exposed concrete, ceilings and walls.

### ■ Application conditions

- Ambient temperature between +5 °C and +35 °C,
- It should not be applied on surfaces that are frozen, melting or there is a danger of frost within 24 hours.

- It should not be applied under direct sun, strong wind or on hot surfaces.

- The applied surfaces are **absolutely** should not come into contact with **water**.

### ■ Warnings and Advice

- Pay attention to the water / plaster ratio of the mixture. Otherwise, deterioration of this ratio may cause spills, cracks and low strength.
- Do not apply in very hot, dry and windy environments. As a result of applications to be made in extremely hot environments, spills, cracks and strength losses may occur.
- Pay attention to product storage conditions. Products should not be stored in humid and very hot environments.
- It should never be used when there are situations such as petrification in the bag.
- Dust should not be inhaled as it contains various chemical additives and gypsum. It should not come into contact with skin and eyes. In case of contact, wash with plenty of water. Work clothes such as masks and gloves should be used during work.

### ■ Application tools

Hand mixer, plaster trowel, gauge, steel trowel, aluminum plates

### ■ Application

- Attention should be paid to the cleanliness of the water and tools used.
- The water used in the mixture should not be salty, acidic or oily. The water temperature should be between 17 and 23 °C.
- The mortar should be prepared at the rate of 10 kg ARALÇI ARMORE CONCENTRATED MACHINE PLASTER PLASTER in 6.2-6.4 liters of water.
- Aluminum tiles are placed on the surface to determine the plaster thickness before the application.
- The surface to be applied **must be wetted** just before the application .
- ARALÇI ARMORE CONCENTRATED MACHINE PLASTER PLASTER should be sprayed on the application surface in **horizontal** stripes with the same intensity so that there are no gaps on the application surface.
- The application thickness should be at least 8 mm on the ceiling and at most 10 mm on the ceiling and 8-20 mm on

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the other facades for a single layer. If the second coat is required, the application should be done without getting the first coat set. It should not be applied more than one coat on the ceiling surfaces and more than two coats on the other surfaces.

After 5-10 minutes, the mastering process is done.

-When the plaster does not move when touched with a finger, correction is made with a trowel.

-Approximately 30 minutes after the smoothing process, the surface is slightly wetted and sponge clover is made.

-After the plaster surface reaches sufficient hardness, the surface is smoothed with a steel trowel.

-After about 120 minutes, polishing is done with a steel trowel.

- Appropriate plaster mesh should be used in the junction areas of different materials.

-Stove etc. in front of it to dry the newly plastered surface. Heating by burning should not be used. The most accurate method in this drying is to ventilate the environment. Thus, all sides of the plaster are dried equally.

-Gypsum plaster surface should be protected from the wind against rapid drying.

#### ■ Consumption

7.5-8 kg/m<sup>2</sup> (for 10 mm thickness)

#### ● Performance Information

- Flexural Strength:  $\geq 1$  N/mm<sup>2</sup>

-Compressive Strength:  $\geq 2$  N/mm<sup>2</sup>

-Adhesion Strength: 0.1 N/mm<sup>2</sup>

-Percentage of Calcium Sulphate:  $\geq 50\%$

-Setting start time:  $\geq 50$  minutes

-Direct airborne sound insulation: NPD

-Thermal Resistance:  $\leq 0,34$  W(m/K)

-Response to Fire: Class A 1

-Dry Surface Hardness:  $\geq 40$  SHORE D

-Temperature resistance: -30 °C to +60 °C

-Note: The application features have been obtained as a result of the experiments carried out in the laboratory environment (23 ± 2 °C and 50 ± 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 EN 13279-1//B4/50/2

-CE

#### ● PACKAGING

-25 kg Polypropylene laminated bag

#### ■ physical state

-White, powder

#### ● Storage Conditions

- Maximum 18 bags should be placed on top of each other in a dry environment . Bags should be stored in such a way that they do not touch the ground and be protected from moisture. Under these conditions, ARALÇI ARMORE CONCENTRATED MACHINE PLASTER should be used within 12 months from the date of manufacture. Improper storage conditions or exceeding the period of use may degrade the qualities of the product.