

ARKİM ARGIPS MACHINE

▪ Definition

It is ready-to-use gypsum plaster whose setting and processing times have been lengthened and heat and sound insulation characteristics have been increased, and applied by spraying with a machine.

▪ Area of application

-Can be applied on surface kinds such as bricks, briquets, gas concrete, concrete and exposed concrete easily.

▪ Application features

- Time to readjust: max. 60 minutes
- Time to use devil float: 90 – 120 minutes
- Time to use steel trowel: 120 – 150 minutes
- Application thickness: for ceilings min. 8 mm, max. 10mm, for other surfaces 10-20mm(for a single coat)
- Setting Time: min. 50 minutes
- An inflammable construction material.
- Never allows bacterial or fungi growth.

▪ Surface preparation

- The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.
- Any irregularities on the application surfaces, if any, are repaired with ARKİM ARREPAIR THIN, ARKİM ARREPAIR THICK or ARKİM ARGIPS REPAIR.
- It is necessary to make sure that the surface has been cured and robust.
- Metal surfaces must be protected against corrosion before application.
- Aluminum screed rails should be placed on the wall vertically prior to the application.
- Exposed concrete, ceiling and wall roughening process must be done using ARKİM ARKONTAK primer increasing the adherence.

▪ 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.
- The newly applied surfaces must be **protected against water contact definitely.**

▪ Warnings and Advices

- Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.
- Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently.
- Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.
- In case any petrification is found out in the bag, do not use the product.
- Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

▪ Application tools

Hand mixer, plastering trowel, floating rule, steel trowel, aluminum screed rails

▪ Application

- It is necessary to pay attention to cleanliness of the water and materials used.
- The water used in the mixture should not be salty, acidic or oily. The water temperature must be between 17 and 23°C.
- The mortar must be prepared by using 5-5.5 liters of water and 10 kg of ARKİM ARGIPS MACHINE.
- Aluminum screed rails are placed on the surface to determine the plaster thickness before application.
- It must be **ensured** that the the application surface is **moistened** prior to application.
- ARKİM ARGIPS MACHINE should be sprayed in **horizontal** stripes on the application surface with the same density without leaving any spaces.
- The application thickness in one coat must be 8 to 10 mm on ceiling, and 10 to 20 mm on the other facades. If a second layer of plaster is required, application must be made before previous layer is fully cured. The application must not exceed one coat on ceilings and two coats on the other surfaces.
- 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.

-After the plaster reaches a certain level of hardness, the surface is corrected with a steel trowel.

-Polishing operation is done approximately 120 minutes later with a steel trowel.

-Appropriate plaster mesh should be used on points where different materials join together.

-Newly coated surface shouldn't be dried by using heaters. The best method for drying is to ventilate the environment. Every part of the coating shall be dried equally by this way.

-Coating surface should be protected from the wind so as not to be dried quickly.

■ Consumption

-8.5-9 kg/m² (for 10 mm thickness)

■ Performance Details

-Bending Strength: ≥ 1 N/mm²

-Compressive Strength: ≥ 2 N/mm²

-Adhesion Endurance: 0,1 N/mm²

-Calcium Sulphate percentage: $\geq 50\%$

-Setting time start: ≥ 50 minutes

-Insulating the sound spreading through the air: NPD

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

-Reaction to Fire: Class A 1

-Dry Surface Stiffness: ≥ 40 SHORE D

-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 \pm 2°C and 50% \pm 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 13279-1//B4/50/2

-CE

■ Packaging

-25-30 kg polypropylene laminated bag

■ Physical form

-White, powder

■ Storage Conditions

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARKİM ARGIPS MACHINE stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.