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ARSLANLI MACHINE PLASTER GYPSUM

- **Description**

  It is a ready-mixed plaster gypsum that can be applied by spray machine, with extended setting and working times and increased thermal and sound insulation properties.

- **Area of application**

  -It can be easily applied on surfaces such as brick, briquette, gas concrete, concrete and bare (fair-faced) concrete.

- **Application properties**

  -Correction (float) time: max. 60 minutes
  -Sponge finishing time: 90 – 120 minutes
  -Steel trowel use: 120 – 150 minutes
  -Application thickness: min. 8 mm, max. 10 mm on ceilings, 10-20 mm on other surfaces (for a single coat)
  -Setting time: min. 50 minutes
  -It is a non-combustible building material.
  -It does not generate bacteria or fungus.

- **Surface preparation**

  -Surfaces to be applied must be free of dust, dirt, grease and similar residues that would prevent adhesion.
  -If there are irregularities on the surface to be applied, they should be corrected with ARSLANLI ARREPAIR THIN or ARSLANLI ARREPAIR THICK.
  -Care must be taken to ensure that the surface has cured and is sound.
  -Metal surfaces must be protected against rusting before application.
  -Before application, aluminum guide rails should be placed vertically on the wall.
  -On bare concrete, ceilings and walls, ARSLANLI bare concrete primer, which increases adhesion by roughening the surface, should be used.

- **Application conditions**

  -Ambient temperature between +5 0C and +350C,
  -Should not be applied on frozen, thawing surfaces or surfaces at risk of freezing within 24 hours.
  -Should not be applied under direct sunlight, strong wind or on hot surfaces.
  -Surfaces on which application has been completed must never be allowed to come into contact with water.

- **Warnings and Recommendations**

  -Attention must be paid to the water/plaster ratio of the mixture. Otherwise, deviation from this ratio may cause spalling, cracking and loss of strength.
  -Application should not be carried out in very hot, dry and windy conditions. Applications performed in excessively hot conditions may result in spalling, cracking and loss of strength.
  -Attention must be paid to the product storage conditions. Products should not be kept in humid and very hot environments.
  -If hardening (petrification) is observed inside the bag, the product must never be used.
  -As it contains various chemical additives and gypsum, its dust should not be inhaled. Contact with skin and eyes should be avoided. In case of contact, rinse thoroughly with plenty of water. Protective work clothing such as masks and gloves should be used during work.

- **Application tools**

  Hand mixer, plastering trowel, straightedge, steel trowel, aluminum guide rails

- **Application**

  -Attention must be paid to the cleanliness of the water and tools used.
  -The water used in the mixture must not be salty, acidic or oily. Water temperature should be between 17 and 230C.
  -The mortar should be prepared at a ratio of 4.4-4.6 liters of water to 10 kg of ARSLANLI MACHINE PLASTER GYPSUM.
  -Before application, aluminum guide rails are placed on the surface to determine the plaster thickness.
  -The surface to be applied must always be moistened immediately before application.
  - ARSLANLI MACHINE PLASTER GYPSUM should be sprayed onto the application surface in horizontal strips at the same density, leaving no gaps on the surface

-The application thickness for a single coat should be at least 8 mm and at most 10 mm on ceilings, and 10-20 mm on other surfaces. If a second coat is required, it should be applied before the first coat sets. No more than one coat should be applied on ceiling surfaces and no more than two coats on other surfaces.
-After 5-10 minutes, straightedge leveling is carried out.
-When the plaster no longer shifts when touched with a finger, trowel correction is carried out.

-Approximately 30 minutes after the correction process, the surface is lightly moistened and sponge finishing is performed.
-After the plaster surface has reached sufficient hardness, the surface is smoothed with a steel trowel.
-After approximately 120 minutes, polishing is carried out with a steel trowel.
-A suitable plaster mesh should be used at the joints of different materials.
-Heating methods such as lighting a stove in front of the newly plastered surface should not be used to dry it. The correct method for drying is to ventilate the environment. This way, the plaster dries evenly on all sides.
-The gypsum plaster surface should be protected from wind to prevent rapid drying.

- **Consumption**
  9.5-10 kg/m2 (for 10 mm thickness)

- **Performance Information**
  -Flexural Strength: ≥ 1 N/mm2
  -Compressive Strength: ≥ 2 N/mm2
  -Adhesion Strength: 0.1 N/mm2
  -Calcium Sulphate percentage: ≥ %50
  -Initial setting time: ≥ 50 minutes
  -Direct airborne sound insulation: NPD
  -Thermal Resistance: ≤ 0.34 W(m/K)
  -Reaction to Fire: Class A 1
  -Dry Surface Hardness: ≥ 40 SHORE D
  -Temperature resistance: -300C to +600C
  -Note: Application properties have been determined as a result of tests carried out in laboratory conditions (23 ± 2 0C and 50% ± 5 humidity, with no air current) and may vary according to different ambient conditions. Performance information has been tested in the environments specified in the relevant standard for the product, and results may vary in different environments.

- **Reference Standards**
  -TS EN 13279-1//B4/50/2
  -CE

- **Packaging**
  -35 kg Polypropylene laminated bag

- **Physical state**
  -White, powder

- **Storage Conditions**
  -In a dry environment, no more than 18 bags should be stacked on top of each other. Bags should be stored so that they do not touch the ground and are protected from moisture. Under these conditions, ARSLANLI MACHINE PLASTER GYPSUM should be used within 12 months from the production date. Improper storage conditions or exceeding the shelf life may impair the properties of the product.