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ARSLANLI GYPSUM BOARD BONDING PLASTER

- **Description**

  A bonding plaster with high adhesion strength and flexibility that allows gypsum boards to be bonded onto surfaces such as concrete, aerated concrete, and brick, offering flexible and decorative visual results.

- **Area of application**

  -Used for bonding gypsum boards onto existing wall surfaces, for bonding polystyrene materials, mineral wools, and insulation boards onto walls and other building components, and for filling gaps at wall-ceiling junctions.

- **Application properties**

  -Working time: min. 60 minutes
  -Setting time: 80-90 minutes
  -Has strong adhesion properties.
  -Strength increases rapidly after setting.
  -Provides ease of application.
  -Does not generate bacteria, mold, or fungus.
  -Provides a healthy environment by balancing humidity levels.

- **Surface preparation**

  -Surfaces to be applied must be free of dust, dirt, oil, and similar residues that would prevent adhesion.
  -In dry and hot weather, the surface to be applied must be moistened.
  -Before application, smooth surfaces should be roughened with ARSLANLI fair-faced concrete primer.

- **Application conditions**

  -Ambient temperature between +5 0C and +350C,
  -Must not be applied on frozen, thawing surfaces or surfaces at risk of frost within 24 hours.
  - Completed surfaces must never be allowed to come into contact with water.
  -Must not be applied in direct sunlight, strong wind, or on hot surfaces.

- **Warnings and Recommendations**

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

- **Application tools**

  Hand mixer, trowel, steel trowel

- **Application**

  -The container in which the mortar will be prepared must be clean and free of residues from the previous mixture.
  -Attention must be paid to the cleanliness of the water and materials used. Water temperature should be between 17 and 230C.
  -The mortar should be prepared at a ratio of 5.75-6.25 liters of water to 10 kg of ARSLANLI GYPSUM BOARD BONDING PLASTER.
  -Water is poured into the container first, then ARSLANLI GYPSUM BOARD BONDING PLASTER is sprinkled in.
  -Wait approximately 2-3 minutes for the gypsum to absorb the water.
  -Mix thoroughly with a trowel or hand mixer until the mortar reaches a homogeneous consistency.
  -If a mechanical mixer is used for mixing, it should be operated at low speed.
  -To prevent lumping of the gypsum, no water or gypsum should be added to the mortar after mixing.
  -Care must be taken to ensure that the materials used in the application are clean.
  - No other product or material should be mixed with ARSLANLI GYPSUM BOARD BONDING PLASTER.
  -The surface to be applied must always be moistened immediately before application.

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-On smooth surfaces such as concrete and aerated concrete, bonding can be carried out by applying the bonding plaster with the aid of a notched trowel.
-On uneven surfaces such as brick, stone, briquette, etc., it is applied in dabs.

-After applying the bonding plaster, the gypsum board is pressed toward the surface to be bonded and fixed in place. The boards are pressed against the wall with the aid of a straightedge.
-A similar procedure is applied for other materials to be bonded to the wall.

- **Consumption**
  1-1.5 kg/m2

- **Performance Information**
  -Compressive Strength: ≥ 2 N/mm2
  -End of Working Time: ≥ 60 minutes
  -Calcium Sulphate percentage: ≥ 30%
  -Bond Strength: 0.06 MPa
  -Direct airborne sound insulation: NPD
  -Thermal Resistance: ≤ 0.3 W(m/K)
  -Reaction to Fire: Class A 1
  -Dry Surface Hardness: ≥ 50 SHORE D
  -Temperature resistance: -300C to +600C
  -Note: Application properties have been obtained as a result of tests carried out under laboratory conditions (23 ± 2 0C and 50% ± 5 humidity, with no air movement) and may vary according to different ambient conditions. Performance information has been tested in the environments specified by the relevant standard for the product, and results may vary in different environments.

- **Reference Standards**
  -TS EN 14496
  -CE

- **Packaging**
  -30 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 must be stored so that they do not touch the ground and are protected from moisture. Under these conditions, ARSLANLI GYPSUM BOARD BONDING PLASTER should be used within 12 months from the production date. Improper storage conditions or exceeding the usage period may impair the product's properties.