

ARALÇI PLASTERBOARD BONDING PLASTER

■ Definition

It is a highly flexible bonding plaster with high bonding strength that binds plasterboards on the surfaces like concrete, gas concrete, and brick, and thus provides flexible and decorative visuality.

■ Area of application

-Used for covering the existing wall surfaces with plaster boards, bonding polystyrene materials, rock wools and insulation boards onto walls and other construction components, and filling the spaces where the wall and the ceiling joint.

■ Application features

-Using period: min. 60 minutes
Setting Time: 80-90 minutes
-Bonds strongly.
-Its strength increases quickly after setting.
-Easily applied.
-Never allows bacterial, mold, fungi growth.
-Provides a healthy environment by stabilizing humidity.

■ Surface preparation

-The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.
-The surface must be wet in dry and hot weather conditions.
-The smooth surfaces must be roughened before the application by using ARKIM ARKONTAK.

■ 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.
-The newly applied surfaces must be **protected against water contact definitely**.
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

■ 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, trowel, steel trowel

■ 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 to pay attention to cleanliness of the water and materials used. The water temperature must be between 17 and 23°C.

-The mortar must be prepared by using 5.75-6.25 liters of water and 10 kg of ARALÇI PLASTERBOARD BONDING PLASTER.

-Water is poured into the container, and then ARALÇI PLASTERBOARD BONDING PLASTER is added.

-The plaster is given 2-3 minutes to absorb the water.

-The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer.

-If you are using a mechanical mixer, it must be used at a low speed.

-No water or plaster should be added into the mortar during or after mixing to prevent lump formation.

-Pay attention to cleanliness of materials to be used in application.

-Do not mix any other product or materials into ARALÇI PLASTERBOARD BONDING PLASTER.

-It must be **ensured** that the the application surface is **moistened** prior to application.

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-Application on smooth surfaces like concrete, gas concrete, etc. can be made by applying the bonding plaster by comb trowel.

-It is used in the form of groups on non-smooth surfaces like brick, stone, briquette, etc.

-After the bonding plaster has been applied, the plasterboard is pressed unto and affixed to the application surface. The boards are pressed unto the wall using floating rule.

-The similar process is applied to the other materials to be stuck to the wall.

■ Consumption

1-1,5 kg/m²

■ Performance Details

-Compressive Strength: ≥ 2 N/mm²

-End of the using period: ≥ 60 minutes

-Calcium Sulphate percentage: $\geq 30\%$

-Adhesive Strength: 0,06MPa

-Insulating the sound spreading through the air: NPD

-Heat Resistance: $\leq 0,3$ W(m/K)

-Reaction to Fire: Class A 1

-Dry Surface Stiffness: ≥ 50 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 ($23 \pm 2^\circ\text{C}$ 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 14496

-CE

■ Packaging

-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. ARALÇI PLASTERBOARD BONDING PLASTER 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.