

byk®



BYK 1016 PLASTER

Extra Quality Thin Ready Plaster

BYK 1016 PLASTER is a cement and polymer based, fiber reinforced thin ready-to-use plaster.

FIELDS OF APPLICATION

• It is used for plastering the surfaces of brick, briquette wall, bims block, concrete, gas concrete, aerated concrete and ceiling (provided that **BYK 1101 PRIMER** is used on concrete surfaces) indoors and outdoors.

ADVANTAGES

- Mixed only with water. Long workable time,
- Easy and fast application with machine,
- Provides cost advantage and control simplicity.
- Provides high adherence and strength to every point of the surface thanks to its homogenous structure,
- Provides smooth surface for final coat.

TECHNICAL FEATURES

Structure of the Material	Special cement, mineral fillings, polymer and fibers additive
Density	2 kg/l
Colour	Gray, White
Adhesion Strength	0,7 N/mm ²
Compression Strength	12,8 N/mm ²
Application surface Temperature	+5°C / +35°C
Service Temperature	-20°C / +80°C
Initial Curing Time	3-5 minutes
Workable Time	1 hour

The values above are given for +23°C and 50% relative humidity. While higher temperatures shorten the period, lower temperatures extend it

APPLICATION PROCEDURE

Preparation of the Substrate

The surfaces to be plastered should be cleaned in situations that adversely affect adherence of mold oil, loose particles, dust, and plaster, and cracks and holes in the surface should be repaired with appropriate **BYK 4014 REPAIR** series repair mortars. In hot weather conditions, surfaces should be absolutely moistened with water. Polished gross concrete surfaces should be applied with **BYK 1101 PRIMER** liner coral roll before application in concrete ceilings and walls. Apply plaster after 24 hours.



Mixing

The appropriate amount of water indicated on the package is poured into a clean mixing bowl. When **BYK 1016 PLASTER** is added slowly into the water, it is mixed for 3 minutes until it is homogenous with an electric mixer of 400 - 600 rpm. No lumps in the material should be allowed. After the material is rested for 3 minutes, it is mixed again for 1 minute and ready for application.

Mixing Ratio

For 25 kg/1 bag of **BYK 1016 PLASTER Gray** approximately 6,00 – 7,50 lt of water should be used.
For 25 kg/1 bag of **BYK 1016 PLASTER White** approximately 6,00 – 7,50 lt of water should be used.



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Application

Application thickness should be between 1 mm and 2.5 mm on one layer. If the thickness is more than 2.5 mm, the second coat is applied again with a thickness of 2.5 mm after taking the first coat socket. In order to prevent the risk of cracking, 2 layers of application should be done. Mortar prepared is applied with mortar board or trowel. Correct with aluminium gauge. After this process, when the plaster is sufficiently hardened, the surface is smoothed and the application is completed with a damp sponge.

Consumption

Approximately 2 -3 kg / m² powder product should be used to obtain 1 mm thickness.

Package

25 kg Kraft Bag

Cleaning of Application Tools

Tools and equipments should be clean with water after application.

Watch Points

In **BYK 1016 PLASTER** application, suitable temperatures should be expected if ambient and surface temperature are below + 5 ° C or above + 35 ° C. It should not be applied in extremely hot, rainy or very windy weather. In outdoor applications, for the first 24 hours should be protected from sun, rain, wind and freezing. Working and reaction times in plaster mortars are affected by air temperature, humidity and floor temperatures. High temperatures accelerate hydration and the working time is shortened accordingly. Low temperatures slow down hydration and thus extend the working time. For the material to be completed, the floor temperature and ambient temperature to be applied must not fall below the minimum permissible temperature.



Shelf Life

Shelf life is 12 months from the date of production when stored properly at +5 oC to +30 oC at room temperature, away from direct sunlight. Opened packages should be consumed within 1 week by closing the mouths.

Storage

The product should be stored in its original package, in a cool and dry place protected from frost. For short term storage, maximum 2 palettes should be placed on top of each other and the shipment should be made on a 'first come, first go' basis. Palettes should not be placed on top of each other during long term storage.

Health and Safety Precautions

It is dangerous to approach the application sites with fire. Fresh air should be circulated in the storage and the application sites. During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children.

Disclaimer

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **BYK Binyapı Co.** is only responsible for the quality of the product. **BYK Binyapı Co.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.