

byk®



BYK 2016 PLASTER

Extra Quality Coarse Ready Plaster

BYK 2016 PLASTER is a cement and polymer based, hand and machine applied, silicone and fiber reinforced coarse ready plaster that can be applied on interior and exterior surfaces such as brick, briquette wall, bims block, concrete, aerated concrete.

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.

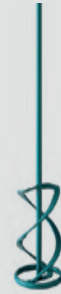
ADVANTAGES

- It can be applied easily and quickly both by machine and by hand.
- Since it is fiber-reinforced, it does not crack.
- Since it provides high adherence, it provides an application with less fall-back loss compared to normal plaster.
- Provides high adherence, does not sag.
- It is more resistant to indoor and outdoor conditions compared to normal plaster.
- It is recommended for surfaces with defective and damaged mold surface.
- It saves time and labor.

TECHNICAL FEATURES

Structure of the Material	Special Cement, Mineral Fillings, Polymer Additive Silicone and Fibers Additive
Colour	Gray, White
Density	1,90 kg/lt
Bond Resistance	1 N/mm ²
Compression Strength	7.50 N/mm ²
Capillary Water Absorbition	≤0,20 kg/m ² .dk0,5 (W2)
Water Vapor Permeability	≤ 20
Application Surface Temperature	+5°C / +35°C
Service Temperature	-20°C / +80°C
Time To Use	24 hours

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 2016 PLASTER** is added slowly into the water, it is mixed for 3-5 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 2016 PLASTER Gray** approximately 4,50 – 5,00 lt of water should be used.
For 25 kg/1 bag of **BYK 2016 PLASTER White** approximately 4,75 – 5,25 lt of water should be used.



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Application

Application thickness should be between 10 mm and 20 mm on one layer. Before it starts to harden, it should be smoothed with a trowel. The first watering should be done after 6-12 hours in plaster application where the air temperature is above 20°C. Then it should be watered at least 4 times with an interval of 12 hours. The first watering should be done after 12-24 hours in the plaster application where the air temperature is below 20°C. Then it should be watered at least 4 times with an interval of 12 hours. Afterwards, the application surface should be kept moist for 1 week.

Consumption

Approximately 14 -16 kg / m² powder product should be used to obtain 1 cm thickness.

Package

25kg Kraft bag

Cleaning of Application Tools

Tools and equipment used after application should be cleaned with water.

Watch Points

In **BYK 2016 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. 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 Binyapi Co.** is only responsible for the quality of the product. **BYK Binyapi 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.