

UNICHEM PLASTER

CEMENTITIOUS DRY READYMIX PLASTER

UCA-PP-06-0722

DESCRIPTION

UNICHEM PLASTER is a polymer modified cement based grey powder plaster.

UNICHEM PLASTER is a blend of grey cement, selected fine sands, water reducing chemicals, special polymers, water retention agents to enhance workability and ease of application. It is ready to use for internal and external plastering works

USES

- ❖ External as well as internal works
- ❖ Can be used on the following substrates
 - Brick surface
 - Stone wall
 - AAC block / concrete block surface
 - Concrete surface

ADVANTAGES

- Consistency & assured quality of plaster for external and internal areas.
- Better coverage in plaster area.
- Accurate proportioning of ingredients and homogenous mixture so good bonding, hence less rebound reducing the wastage during plastering.
- Excellent permeability resistant. Increased plastic life of mortar and reduces drying shrinkage cracks.
- Improved labor productivity hence reduces the cost.
- Convenient to use manually or by plastering machine also.

TYPICAL PROPERTIES

APPEARANCE	Grey cementitious powder
POT LIFE	60 TO 70 MINUTES @ 25 °C.
PACKAGING	25 Kg
COVERAGE*	1.3 to 1.5 Kg/m ² at 1 mm thickness *Actual coverage based on substrate condition, application method, wastage etc.
MIX RATIO (for 25 kg bag)	5 to 6 litres of water (for hand mixing)
APPLICATION THICKNESS	5 TO 20 mm
SETTING TIME	INITIAL 5 HOURS (MIN.) FINAL 8 HOURS (MIN.)
MAXIMUM AGGREGATE SIZE PRESENT	0 TO 1.5 mm
WET DENSITY	~1.8 to 2 kg/l @ (23 °C)
COMPRESSIVE STRENGTH	>7 MPa (at 28 days) BS EN 1015-11
BOND STRENGTH	>0.4 MPa (at 28 days) BS EN 1015-12

The values given above for typical properties are average figures achieved in controlled laboratory conditions. Actual values obtained on site may show minor variations from those quote

STANDARDS

UNICHEM PLASTER meets the performance requirements of BS EN 998 PART-1 & BS EN 1015

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INSTRUCTIONS FOR USE

SURFACE FOR PREPARATION

Substrate should be sound, clean, free from loose material, grease, laitance, dirt, curing compound, etc.

Prior to UNICHEM PLASTER application, damp the entire surfaces with clean potable water. Surface should be in SSD (saturated surface dry) condition

MIXING

For manual mixing add to the mixing container 5-6 liters of water for each 25 Kg bag of UNICHEM PLASTER. Add the powder to the water and mix with a mechanical plaster mixer or low speed electric drill fitted with a suitable paddle for 3-4 minutes, until a uniform, lump free consistency is achieved.

Hand mixing is allowed for small batch quantities by mixing for approx. 1-2 min or when homogenous mix is achieved. Mixed material must be used within 90 min.

Do not add water to the mix once the mortar is mixed.

APPLICATION

UNICHEM PLASTER can be applied in a single or two layers on rough or smooth surfaces to achieve the desired thickness.

Apply mixed material using hawk & trowel technique. Rod or level to a uniform thickness of 5-20 mm. When the plaster starts to set, follow smoothing the material to achieve the desired appearance.

For thicknesses more than 20 mm, please use practice ASTM(926: each layer 10- 15mm rough finish, should cure before applying the second coat for at least 2 days. After the surface appears stiff but still moist, follow the smoothing the material to achieve a desired appearance.

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CURING

UNICHEM PLASTER is best cured by spraying water on the surfaces of applied materials every 12 hrs for minimum of 3 days. During hot & dry conditions allow curing for minimum of 5 days. It will help to obtain high mechanical strengths and minimize the risk of surface cracks.

STORAGE & SHELF LIFE

Original sealed bags of UNICHEM PLASTER has a shelf life of 12 months. UNICHEM PLASTER should be protected from extremes of temperature & Protect from sources of moisture and humidity.

SAFETY PRECAUTIONS

Do not use any curing compounds. It is a cementitious alkaline product. Care should be taken to avoid contact with eyes, skin, mouth and food stuff. Any splashes on the human body must be washed with plenty of water.

LIMITATION OF LIABILITY

This information is based on our current level of knowledge. It is given in a good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein.

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