

ENDURO PLAST

READY MIX PLASTER



DESCRIPTION

Single component rendering mortar with a ratio of graded inert sand with cement and polymers for applications in civil construction works.

FEATURES AND ADVANTAGES

- Cohesive & workable mortar
- Less water consumption
- Increased Curing efficiency
- Improves bond strength with applied substrate
- Reduce Rebound losses
- Better tensile and flexural strength
- Increase in durability
- Faster rate of application
- Extended application time
- Uniform and smooth finishes
- Reduces wall porosity & voids
- Provides enhanced coverage and saves material

PRODUCT SPECIFICATIONS

For Walls

Mix single component ENDURO PLAST in w/p ratio of 0.14-0.16 to provide thickness of 5-20 mm, at a coverage of 0.175 TO 0.20 Kg/sqft/mm for smooth and excellent surface finishes.

For Ceilings

Mix single component ENDURO PLAST in w/p ratio of 0.14-0.16 to provide thickness of 5-20 mm, at a coverage of 0.175 to 0.20 Kg/sqft/mm for uniform and desired contour.

METHOD OF APPLICATION

Tools used for applying

- Thapi
- Steel Trowel
- Wooden Float

Surface Preparation

- Surface needs to be cleaned and free from grease and loose particles
- SSD condition must ideal for porous and absorbent substrates
- Substrate should pre-watered to prevent premature loss of moisture from the plaster

Mixing

- Use 5.6-6.4 ltrs of water for 40 Kg Enduro Plast.
- Pour Enduro Plast in to water, and mix it for 4-5 minutes with a mechanical stirrer/mixer to achieve better consistency
- Allow the mixture to stand for 2-3 minutes for additives to disperse evenly. Re-mix again for about 2 minutes and the plaster will be read to use.
- If mixer machine is not available, use tray & mix manually. Do not mix on floor

Application

- Apply the plaster to the substrate using some pressure, finish with a trowel float to ensure optimum bonding of the plaster to the substrate surface.
- Enduro Plast can be used for both exterior and interior wall applications.
- Recommended bonding agent on concrete surface

Curing

- In ambient weather condition, do not need curing for first 24 hours
- After the plaster is completely dry, curing should be done 2-3 times for 2-3 days continuously
- In abnormal weather conditions above (40° C), curing for 5-7 days is required

Application Precautions

- Allow saturation time of 2-3 minutes for additive dispersion after mixing.
- Do not plaster and cover expansion joints. All expansion joints should run through the tile and stone work and filled only with specification-based materials, which helps achieve the required movement accommodation (MAF).

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TECHNICAL DATA

PARAMETERS	RESULTS
Pot life at 30°C min	90-120
Compressive Strength at 28 days, Mpa	6-8
Tensile Strength at 28 days, Mpa	Min. 1.0
Flexural Strength at 28 days, Mpa	Min. 1.5
Water Absorption%	Max 5
Rebound Loss %	Max 2

PHYSICAL PROPERTIES

PARAMETERS	RESULTS
Nature of product	Single Component Cementitious Grey Powder
Fresh Wet Density (FWD)	1.5 to 1.6 gm/cc
Bulk Density	1.45-1.5 gm/cc
Water Demand (W/P ratio)	0.14 to 0.16
Water Curing Cycle at 30°C	At intervals of 10-12 hrs for 3 days
Finishes	Smooth, Uniform and Void-free

HEALTH & SAFETY

- Wear PPE while mixing and application as per health & safety rules.
- In case of prolonged irritation in eyes and on skin due to contact, flush thoroughly with sufficient water.
- Avoid breathing dust.

PACK SIZE

- 40 kg bags

BEST BEFORE

6 months from date of manufacturing, when stored in a dry & sealed condition.

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