

ECO PLASTER HW305

Product Description

Hard Worker Eco Plaster – HW305 is a self-curing plaster binder for internal and external wall applications. It is designed to provide excellent water retention, workability, and finish when combined with quality sand at site. The formulation eliminates the need for external curing and enables application up to 15 mm thickness in a single coat — delivering durable plastering with reduced material loss and rebound.

Specification

- **Self-curing – no external water curing required**
- **High water retention for consistent finish**
- **Smooth workability and sag resistance**
- **Reduced rebound and material wastage**
- **Supports up to 15 mm application in a single coat**

Application Areas

Recommended for plastering over mineral substrates such as:

- Red bricks
- AAC blocks
- Fly ash bricks
- Hollow blocks
- Concrete blocks
- Laterite blocks

Designed for use in internal and external plastering. Not suitable for load-bearing, structural, or brick-laying applications.

HW305 is compatible with Hard Worker Integral Waterproofing – HW101 for enhanced water resistance in plaster applications. The required dosage may vary based on mix proportions and site conditions.

Surface Preparation

Ensure the surface is dry, clean, and free from dust, oil, or loose particles. Pre-wet the surface with clean water to achieve SSD condition.

Mixing Instructions

Add Hard Worker Eco Plaster – HW305 to quality sand (M-sand, river sand, or P-sand) in the ratio of 1:3, 1:4, 1:5 by volume, depending on the application. Add clean water and mix for a maximum of 5 minutes until a smooth, uniform mortar is achieved.

Do not remix or use hardened material. Do not add external admixtures or accelerators.

Application Instructions

Apply manually using a trowel in a single coat up to 15 mm.
For thickness above 15 mm, use multi-layer application.
Tool and finish the surface as required.
Putty application can begin after 10 days of plastering.

Curing

Self-curing – no water curing needed.
Full strength and surface performance achieved within 7–10 days.

Packaging & Shelf Life

Available in 25 Kg bags.
Shelf life: 3 months from the date of manufacture when stored in sealed condition in a dry area protected from moisture and direct sunlight.

Technical Specification

| Property | Typical Result |
|---|-------------------------|
| Water Retention as per IS 2250 | 65–75% |
| Pot Life | Max. 60 minutes at 27°C |
| Air Content | 6.5–8% |
| Compressive Strength @ 28 Days as per IS 2250 - 1981 (Reaffirmed - 2000). 1:3 (By Volume) | 8-11 Mpa |

All values tested under standard lab conditions.

Coverage

1 bag of 25 Kg has a coverage of 50 – 55 sq. ft. in 1:5 mix ratio by weight of HW305 to Sand, at 12 mm thickness.

Precautions

Product is non-hazardous, however it is cementitious. Use gloves, mask, and goggles during handling.
Avoid eye contact. In case of contact, rinse with clean water and seek medical advice if irritation persists.

Important Note

HW305 is not suitable for load-bearing or brick-laying applications.
Do not apply on water-logged or dusty surfaces.
Do not add any chemicals or modifiers other than recommended by manufacturer.

Technical Support

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