

JSW Cement Ltd.

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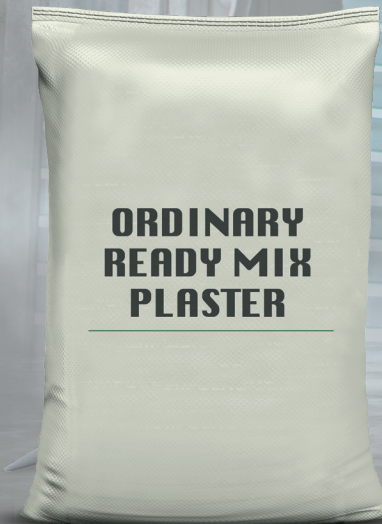


INTRODUCING THE ALL-NEW

ENDURO PLAST

Ready Mix Plaster

Super finish ka वादा
har bag main 10% ज्यादा



STRONG | GREEN | SMART

About Us

JSW Cement is India's leading 'Green Cement' manufacturer and is part of the JSW Group. We have a strong commitment towards innovation in sustainability and technology to offer eco-friendly construction and building solutions to our customers. Growing exponentially since our inception in 2009, we have reached a production capacity of 17 MTPA (Million Tonnes Per Annum).

We envision a self-reliant India by boosting our colossal infrastructure and fast-growing economy through benchmark projects.

We cater to 11 major states in India across eastern, western and southern part of the country.

JSW Cement emerged in the market as a leader in environmentally friendly product Pozzolona Slag Cement (PSC). Since then we have expanded our cement range to Concreel HD (CHD), CompCem (Composite Cement – PCC)

JSW Cement also extends its services through its construction products in categories like Ground Granulated Blast Furnace Slag [GGBS] and Slag Sand for the use in concrete and other civil works. Latest introduction to this is the range of construction chemical products with its Drymix mortar range – Enduro Plast, Duraflor and Krysta Leakproof being launched in South.

JSW is now being recognized as a wholistic group for construction with Steel, Cement, Paints and now Construction Chemicals foray to the Indian market.



Mixing

- Use 5.6-6.4 ltrs of water for 40 kg ENDURO PLAST
- Pour the ENDURO PLAST to water, while mixing 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, plaster is ready to use
- If mixer machine is not available, use tray and mix manually.
Do not mix on the floor



Curing

- In ambient weather condition, doesn't need curing for first 24 hrs
- 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 designed materials which achieves required movement accommodation (MAF).

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
-
- **Shelf life 06 months from date of manufacturing in sealed condition**
 - **Store it in dry & packed condition**
 - **Pack Size : 40 kg bags**

Features & Benefits



**Cohesive workable
mortar**



**Extended application
time**



**Increased curing
efficiency**



**Improves bond strength
to applied substrate**



**Reduced wall porosity
& voids**



**Better tensile and
flexural strength**



**Uniform and smooth
finishes**



**Faster rate of
application**



Increase in durability



**Reduced rebound
losses**

Product Specifications

For Walls :

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

For Ceilings :

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

Physical Properties

Nature of product	Single component cementitious Grey powder
Fresh Wet Density (FWD)	1.5 to 1.6 gm/cc
Bulk Density	1.45-1.50 gm/cc
Water Demand (W/P ratio)	0.14 to 0.16
Water Curing Cycle a 30°C	At intervals of 10-12 hrs for 3 days
Finishes	Smooth, uniform and void free

Technical Details

Description	Test method	Values
Compressive Strength @ 28 days, MPa	ASTM C 109-99	6-8
Flexural Strength @ 28 days, MPa	ASTM C 348-97	Min. 3.0
Water Absorption	ASTM C 1585-13	Max 5

*For complete technical parameters please refer to the Technical Data Sheet

**Parameters are tested and verified by reputed third party test labs

Application Method

Tools to be used



Thapi



Steel trowel



Wooden float

Surface Preparation

- Surface needs to be cleaned and free from grease and loose particles
- SSD condition must be required for porous and absorbent substrates
- Substrate is pre-wetted to prevent premature loss of water from the plaster



Application

- Apply the plaster to the substrate using some pressure while finishing with a trowel or float to ensure optimum bonding of the plaster to the substrate surface
- ENDURO PLAST can be used for both exterior and interior wall applications
- Use of bonding agent is recommended on concrete surfaces



Product Description

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

Reference Standards

- IS 1661-1972 (Reaffirmed 2001)
- IS 2250-1965
- IS 2402-1963

Uses

- Plastering manually of internal & external walls from 5 mm-20 mm
- Rendering of high build ceiling in a single pass of 5-20 mm thickness

