



Technical Data Sheet

JC-DRY-PLAST

Anti Shrink Drymix Plaster

Description

Jenga® JC-DRY-PLAST is a premium factory-blended dry masonry mortar mix produced by precisely combining highly processed, clean river sand with high-grade structural cement in an automated 1:3 ratio (1 kg cement to 3 kg sand). Specially engineered for masonry brickwork, block laying, and plastering applications, it delivers assured quality, optimal workability, and superior bond strength while eliminating on-site sifting and manual batching errors.

Specification

Technical parameters comply with standard masonry standards (IS 1661, IS 2250, IS 2402) and KEBS requirements for pre-blended masonry mortars.

Areas of Application

Jenga® JC-DRY-PLAST is ideal for general masonry, stone work, and wall plastering across residential, commercial, and industrial construction:

- General masonry and stone work (home building walls, structural walls, retaining walls).
- Brickwork and block laying (covers up to 31.25 ft of bricks per 50 kg bag).
- Internal and external wall plastering (covers up to 31.25 sq.ft at 10 mm thickness per 50 kg bag).
- Landscaping stones, boundary walls, and repair/maintenance masonry works.

Features and Benefits

- **Assured Consistent Quality:** Automated batching guarantees exact 1:3 cement-to-sand proportions without manual mixing variation.
- **Processed & Sifted Sand:** High-grade river sand processed to remove silts, clays, organic matter, moisture, and oversized particles.
- **Labor Efficiency:** Reduces site labor requirements by 40% to 60% with zero on-site sieving or screening needed.
- **Zero Wastage & Clean Worksite:** You only buy and mix what you use, eliminating raw material stockpiling, material loss, theft, and site clutter.
- **Convenient Transportation:** Eliminates multi-material transport; easily transported in small vehicles or pickups (e.g., 50 bags per load).
- **Speedy Application & Smooth Finish:** Excellent cohesion and trowelability ensure faster masonry laying and uniform plastering finishes.



Method of Application

Surface Preparation:

- Prepare the substrate by removing dust, dirt, oil, loose particles, and laitance using a wire brush or water jetting.
- Pre-wet masonry blocks, bricks, or concrete wall surfaces prior to applying mortar or plaster to prevent excessive suction.

Mixing:

- Pour measured clean potable water into a clean mixing container or mechanical paddle mixer.
- Gradually add Jenga® JC-DRY-PLAST powder into the water and mix thoroughly for 3 to 5 minutes until a uniform, lump-free paste is achieved.
- Allow the mix to stand for 5 minutes to mature, then re-stir before application.
- Mix only the quantity that can be consumed within its pot life (approx. 1 hour at 27°C).

Application & Curing:

- Apply mortar using standard trowels or spatulas for masonry jointing or plastering.
- Can be applied up to 10–12 mm thickness per coat. For higher thicknesses, apply in multiple layers.
- Cure finished plaster or masonry joints with water 2 to 3 times daily for a minimum of 7 days.

Technical Data

Product Composition	Processed River Sand + High Quality Cement (32.5N grade)
Mix Proportion (by weight)	1 : 3 (1 kg Cement to 3 kg Sand)
Bulk Density	1500 – 1700 kg/m ³
Water / Powder Ratio	15 – 20% by weight (potable water)
Pot Life	1 hour @ 27°C
Compressive Strength @ 28 Days	> 9.0 MPa
Coverage / 50 kg Bag	25 ft of brickwork OR 31.25 sq.ft @ 10 mm plaster thickness
Layer Thickness	Up to 10 – 12 mm per layer
Curing Requirement	7 days (2 – 3 times daily)
Labor Savings	40% – 60% labor reduction
Packaging	25, 50 kg moisture-resistant bags



Shelf Life & Storage

Jenga® JC-DRY-PLAST has a shelf life of 6 months from the date of manufacture when stored in original unopened, undamaged bags in a dry, cool, and elevated place protected from direct sunlight, rain, and moisture.

Safety Directions

Jenga® JC-DRY-PLAST is non-toxic and non-flammable. Wear protective gloves, dust mask, and safety goggles during handling and mixing. Any splashes to skin or eyes should be washed off immediately with clean water. In case of prolonged skin or eye irritation, seek medical advice promptly.

Disclaimer

Information provided in this technical data sheet serves as a general guide for product usage. Users are advised to conduct trials for specific site material compatibility prior to full-scale application. The company accepts no liability for consequential damages arising from improper storage, misuse, or failure to follow instructions.