

Technical Specification

Particulars	JK Cement PlastoMaxX - One Coat Gypsum Plaster
Working Time	20 - 35 min
Mixing Ratio (JK Cement PlastoMaxX:Water)	1.5:1 (Mix powder in water & not vice versa)
Approximate Coverage	20 - 22 sq. ft. in 25 kg bag on 13 mm thickness
Recommended Thickness	10 - 15 mm
Storage Method	The pack should be kept away from damp places and stored in a moisture-free environment preferably on elevated platforms made of bricks / timber / concrete etc.
Product Shelf Life	3 Months (Packed bag)
Product Standard	IS 2547 (Part II)
Dry Bulk Density (in kg/m ³)	Max. 770
Dry Set Density (in kg/m ³)	Max. 1040
Compressive Strength (in N/mm ²)	Min. 1.0

Difference between Sand & Cement Plaster vs JK Cement PlastoMaxX - One Coat Plaster

		Sand & Cement Plaster	JK Cement PlastoMaxX One Coat Plaster	Benefit
Product Information	Finished Quality	Rough and prone to shrinkage cracks	Superior smooth, crack-free finish	Ready to paint (No Crack Repair)
	Backgrounds	Specific product with varying quality used for specific background type	Suitable for a variety of backgrounds including clay brick, concrete block, lightweight block, and concrete	One product for all backgrounds
Product Specification	Minimum Thickness	10 -15 mm	10 -15 mm	No further mixing required/ready to use/ single coat application
	Workability	Heavy weight plaster	Light weight plaster	Provides easier application, better bonding and smooth finish, improved plaster workability, coverage, application and post usage behaviour
	Paint Preparation	Several additional steps required before painting	Ready for painting	No other layer is required below or above it and direct application of paint can be done
	Drying Rate	28 days to cure and dry	72 hours to cure and dry	No water curing required
Technical Data	Dry Shrinkage	0.07%	No shrinkage cracks	Provides a smooth & matt finish without any cracks

JK Cement Ltd.

Registered Office

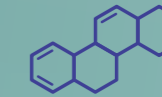
Kamla Tower, Kanpur-208001, Uttar Pradesh

Telephone : 0512 2371478-81, Fax : 0512 2399854, Website : www.jkcement.com

Customer Helpline No. : 1800 102 8868



JK Cement LTD.

 **β-hemihydrate**
With Vermiculite

JK CEMENT PlastoMaxX

One Coat Gypsum Plaster

One Coat Plastering
Solution for the
Smoothest Walls



About JK Cement Ltd.

JK Cement is one of the leading cement manufacturers in India that has partnered the Nation's multi-sectoral infrastructure needs on the strength of its product excellence, customer orientation and technology leadership. A pioneer in the White Cement industry, the company is the leading producer of wall putty in the Country and one of the largest white cement manufacturers in the world.

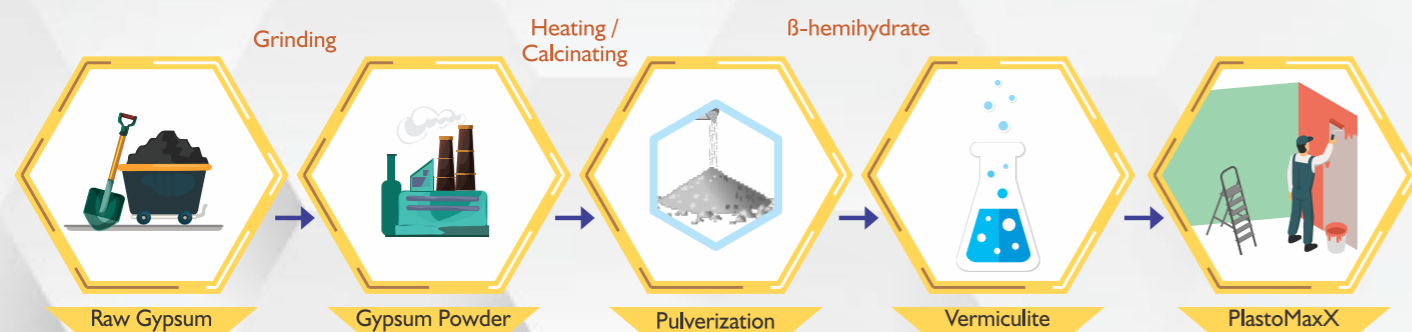
About JK Cement PlastoMaxX

JK Cement PlastoMaxX is a gypsum based one coat plaster suitable for application on brick, block and concrete surfaces. Its vermiculite based β -hemihydrate formulation ensures working and setting characteristics. Its lightweight aggregates improve the plaster's workability, coverage, application and post usage behaviour. It provides a smooth matt finish to the surface and makes it ready for painting.

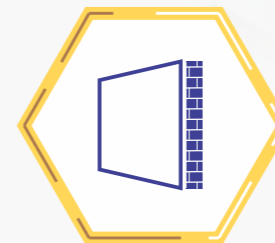


State-of-the-Art Manufacturing Process and Highest Quality Standards

- The purest quality of gypsum is mined from select mines of Rajasthan.
- Raw material is screened and processed in state-of-the-art factories under strict quality controls to produce JK Cement PlastoMaxX.
- Produced from manufacturing equipments imported from Germany.



Benefits



Single Coat Application:
It is a single coat application process that replaces cement plaster with direct application on brick, concrete or block.



Flame Retardant:
It allows minimal heat transmission from the exterior into the room.



Higher Coverage :
Its lightweight aggregates improve the plaster's workability & gives higher coverage.

Features



Excellent Adhesion:
No bonding agent or scratching background is required before plastering.

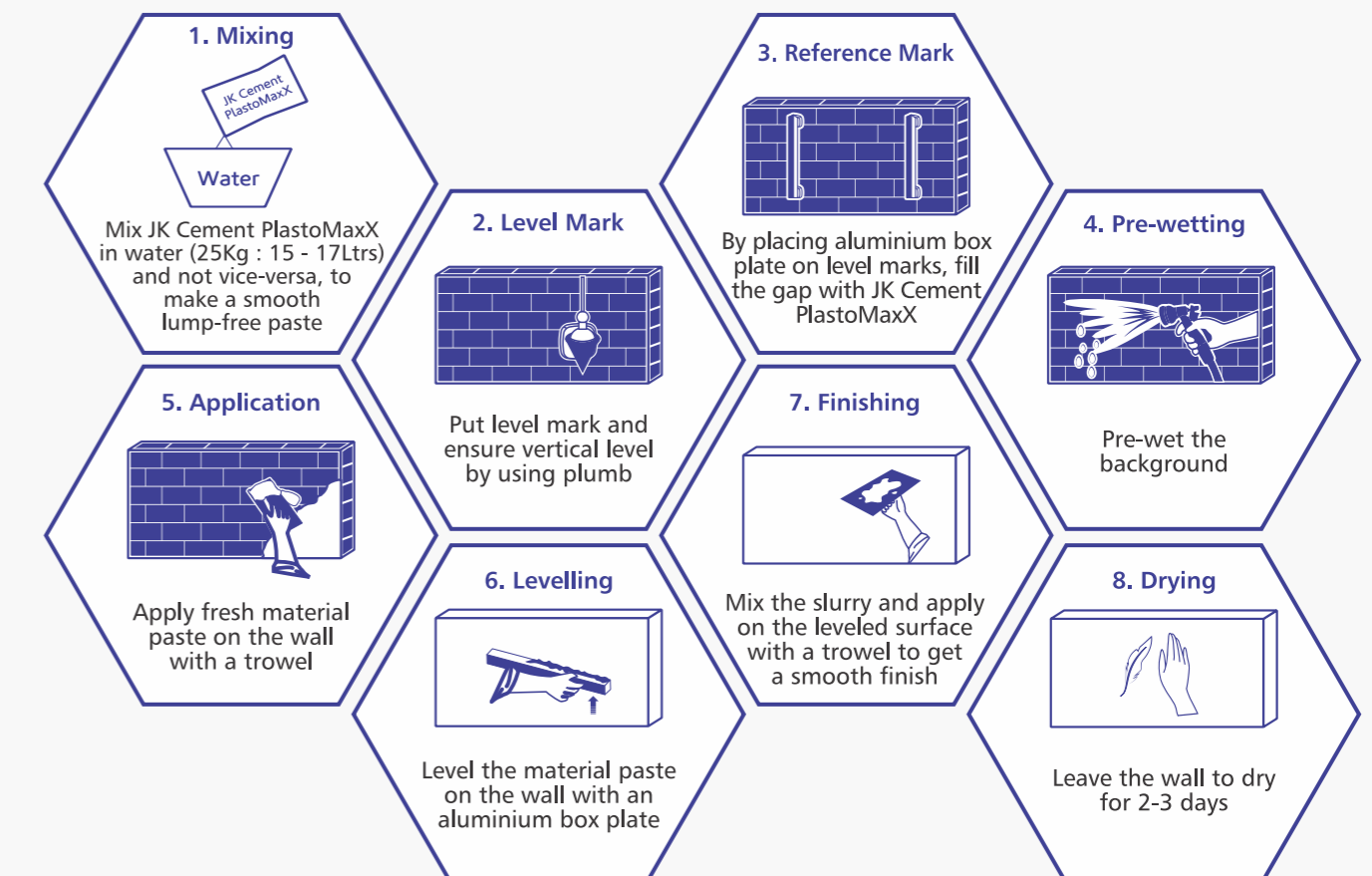


Smooth and Beautiful Walls:
Without adding any aggregates, JK Cement PlastoMaxX gives an extra-smooth finish to the surface. The off-white colour brings out the true colour of the paint with fewer coats.



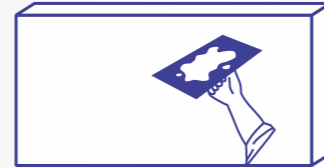
Thermal Resistant:
Low thermal conductivity helps in saving energy.

Product Application Process



Finishing

Mix thin slurry and apply on leveled surface with a trowel to get a smooth finish



Drying

Leave the wall to dry for 2 - 3 days

● Technical Specification

Particulars	UOM	Measurement
Dry Bulk Density	kg/litre	770 kg/m ³ (Max)
JK Cement PlastoMax ⁹⁰ to Water Ratio	%	25 kg : 15 to 17 litres
Setting Time	Minutes	22 - 30 Minutes

● Coverage Applied

Applied Thickness	13 mm
Coverage*	22 - 24 sq.ft / 25 kg bag

● Standard Compliance

IS 2547 (Part I)-1976 for chemical characteristics
IS 2547 (Part II)-1976 for physical characteristics

● Storage & Handling

JK Cement PlastoMax⁹⁰ is supplied in 25 kg bags. The dimensions of the bag ensure that a well-filled appearance is presented when filled and the bags can be stacked on a pallet in a stable and well-stacked array. Bags should be stored dry, as absorption of water shortens the setting time, causes set lumps to form in the bags and may reduce the strength of the set plasterwork. No hooks or any sharp tools should be used to carry bags from one location to another.

● Technical Support

JK White Cement Customer Technical Services (CTS) department offers comprehensive services to influencers, applicators and customers. Technical executives are always available to provide further information and arrange demonstrations/ samplings/ trainings etc. as and when required.

Please feel free to contact your local JK White Cement executive or contact us on the details mentioned in this brochure.

● Packing

Available in 25 kg

● Health & Safety Precautions

This product is non-toxic and non-hazardous. However, the use of gloves, dust-mask and goggles is recommended. In case of contact with skin/eyes, wash immediately with clean water. If prolonged irritation persists, professional medical aid should be sought immediately.

Terms & Condition

JK Cement Ltd. reserves the right to revise product specification without notice. The information herein should not be read in isolation as it is meant only as guidance for the user, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work.

*Above parameters are tested under lab conditions. Actual performance depends on site usage, conditions and working.

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JK Cement LTD.

Perlite Based Formulation

JK CEMENT **PlastoMax⁹⁰** One Coat Gypsum Plaster

One Coat Plastering Solution for the Smoothest Walls



About JK Cement Ltd.

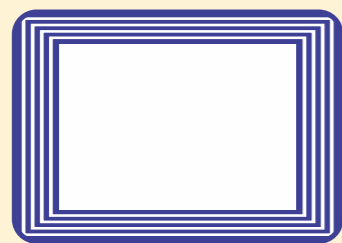
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About JK Cement PlastoMax⁹⁰

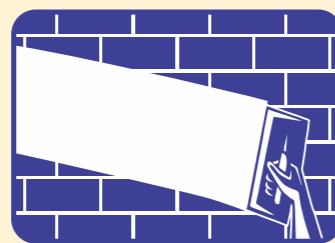
JK Cement PlastoMax⁹⁰ is a gypsum based one coat plaster suitable for plastering application on most internal backgrounds including bricks, blocks, and concrete. It contains perlite as lightweight aggregate which helps in providing a superior coverage of 90 m²/MT. It facilitates 2 times faster application than sand cement plaster and 1.5 times faster than local gypsum plaster. It is an environment friendly product which saves potable water as no water curing is required while reducing the structural load on the building (50% lighter than conventional sand cement plaster).



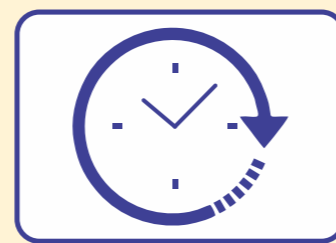
Key Benefits



Extra Whiteness

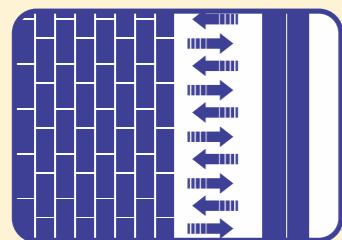


Single Coat Application

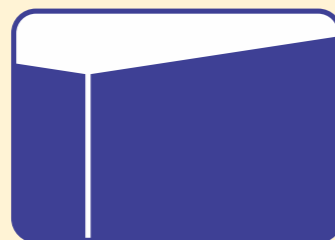


Longer Paint Life

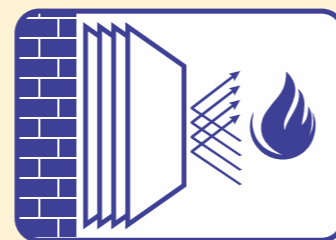
Key Features



Strong Adhesion on a Variety of Substrates



Extra Smooth Finish



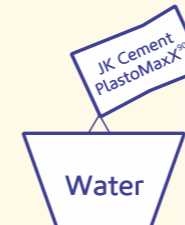
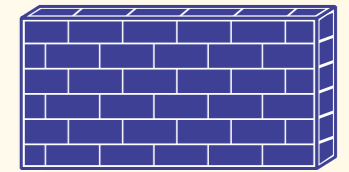
Four-times* More Resistant to Heat Transmission

Product Application Process

Background Preparation

Before plastering, the surface must be reasonably dry, clean, free from mould oil and other agents. Apply clean water 5 - 10 minutes prior to the plaster application, to control the suction.

In-situ or pre-cast concrete which are exceptionally smooth or having low suction will require pre-treatment with JK Cement BondMaxX

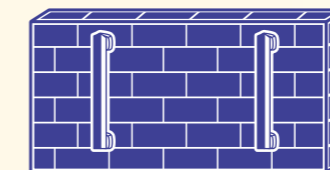
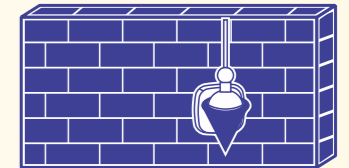


Mixing

JK Cement PlastoMax⁹⁰ is pre-mixed with expanded perlite. Use only clean water to prepare the mix. Mixing should be carried out in a clean tray or bath. Excessive mechanical mixing should be avoided. Mix plaster in water (25 kg : 15 - 17 ltrs. water by weight) to maintain a homogenous mix. Prepare plaster mix as much as required depending upon the immediate scope of work. Do not add additional water to the mix

Level Mark

Put level mark and ensure vertical level by using a plumb bob



Reference Mark

By placing an aluminium box plate on level marks, fill the gap with JK Cement PlastoMax⁹⁰

Pre-wetting

Pre-wet the surface



Application

Apply JK Cement PlastoMax⁹⁰ with firm pressure on an even surface and should be left out as an undercoat to form a key for finish coat.

It can be applied to an average thickness range of 6 - 13 mm on walls in one coat and up to 10 mm on ceilings. For thickness above this range, material needs to be applied in two coats. The thickness should not increase to more than 30 mm (average thickness) on walls and 20 mm (average thickness) on ceiling. Leave the surface to dry for an average of 72 hrs (depending upon the thickness and weather conditions)

Levelling

Level the material paste on the wall with an aluminium box plate

