

JK CEMENT PLASTMAXX RS99 is a premium multi-purpose dry-mix bonding coat suited for concretes, concrete blocks, etc. It is specially designed as a bonding coat for dense concretes containing micro silica, GGBS and fly ash, prior to plastering. It can be applied using a Tyrolean box/spray hopper/powder pattern spray gun. It is suitable for interiors and exteriors.



### Composition

High Quality Portland Cement, Hydrated Lime, carefully selected processed natural mineral aggregates, Excellent binding Powder Polymer and very special chemical additives for performance enhancements.



### Features

- ✓ Superior Adhesion to dense concretes
- ✓ Quality Consistency
- ✓ Easier Workability
- ✓ Leads to a bright and excellent absorbing substrate

AVAILABLE / BAG SIZE

50 Kg  
Paper Bag



### Technical Characteristics

- Binder: High Performance Portland Cement
- Aggregate Size: 0 – 3 mm
- Appearance: Unique Granular Powder
- Mixing Ratio: 10 Liters water per 50 Kg bags
- Water Requirement: 20%
- Coverage: 430 Square Meters/Metric Ton @ 2 mm thickness (actual coverage depends on application temperature, nature of substrates, applied thickness, transfer efficiency, etc.)
- Density (Kg/Lt): 1.85 ± 0.20 (Wet); 1.70 ± 0.20 (Dry)
- Compressive Strength: Minimum 15 N/mm<sup>2</sup> (at 28 days)
- Flexural Strength: Minimum 2.5 N/mm<sup>2</sup> (at 28 days)
- Curing: 48 Hours by clean water

The values in this technical characteristics are based on standard and controlled conditions at laboratory.

### Application Method



#### Surface Preparation

- The concrete surface should be thoroughly cleaned to remove dust, loose particles, oil, grease, salt patches wood pieces, etc.
- Then surface should be sprayed with water to ensure any left impurities from the substrate and be left to dry off excess water before any further application.



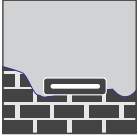
#### Mixing

- RS99 should be mixed with clean water only. Mixing should be done in a clean plastic/wood or any other non-corrosive metal bucket.
- A mechanical electric mixer is preferred to be used to achieve a homogeneous mix. It is very important to ensure that the mixing is done properly for uniform results throughout the substrates.
- Mixing ratio should be around 10 Liters of water per 50 Kg bag while using hand drill/mixer.
- Once mixed, preferably allow the mix to stand for 5 minutes before starting the application. After this, mix it again prior to usage.
- Care should be taken that further water must not be added to this mix. Also, it is important to ensure that no hard and/or set plaster is re-used.



### Specifications

## Application



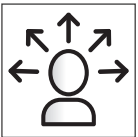
- RS99 should be applied using a spray hopper or Tyrolean box. Spray the mixed RS99 in a continuous operation over the prepared surface for a thickness of about 3 – 4 mm.
- Ensure that the applied film covers the entire concrete surface area, without any omissions.
- A rough texture should be obtained to deliver an excellent mechanical key for the subsequent coat of plasters.
- Once applied, cure it with water with a frequency of 3-4 times/day for minimum of 2 days, prior to proceeding for Plaster operation.

## Preventive Measures



- The external factors, viz: sunlight, wind, rain, etc. do play a vital role in the performance of RS99. Hence it is highly recommended to adopt proper protective measures during application.
- Kindly contact JK Technical Team for any further clarifications on suitability of RS99 for various substrates prior to proceeding.

## Health & Safety



- It contains Portland cement which becomes strongly alkaline upon mixing with water and this may cause skin irritation when exposed for very long time. Avoid contact with eyes and inhalation of dust. In case of skin/eyes contact, wash with plenty of clean water and seek medical attention immediately.
- It is highly recommended to use all relevant Personal Protective Equipment while handling it and work in well ventilated conditions while applying it.
- Keep out from the reach of children.

## Storage:



- RS99 is to be covered well and stored away from heat, Sun light and moisture. Also, it should be kept preferably on pallets.
- Shelf Life: 12 Months from date of manufacture if covered and stored well as indicated above.
- Care should be taken that no hard & lumpy materials are used.



# JK CEMENT PlastMax<sup>X</sup>

Manufactured & Packed in UAE by

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**Disclaimer:**  
The information given here is based on the best of our knowledge, good faith, experience and laboratory based results. The actual result depends on many factors, like nature of substrate, workmanship/quality of the application job at site, quality and type of Plaster Spray Machine/other suitable application tool used, quantity of water added, etc. Hence JK Cement Works (Fujairah) is not responsible for any sort of claims/disputes arising out of any negative results by using our Products. Also, the water for dilution given here is only based on lab results and might vary due to different conditions prevailing at the application site. JK Cement Works Fujairah is not held responsible for use of this product for applications other than specified and/or adopting any faulty application/curing methodologies. It is the user's responsibility to have through this Technical Data Sheet prior to applying our products and to ensure with JK Cement Works Fujairah that any product information is still prevailing at the time of application. Also the user must be sure that the product is suitable for the use intended and also applied it as specified while taking care of all precautionary measures. While all the products comply with the properties shown on current technical data sheets/brochures, JK Cement Works Fujairah does not warrant or guarantee the products' performance as it doesn't have any control over factors adopted during its actual application