



# iBlok MRP

Multi Repair Polymer



JSW Paints iBlok MRP is an Advanced performance modified styrene butadiene rubber (SBR SBR-based binder). Ready to use as a bonding agent in liquid form, for concrete /mortar. It is used for the repair of spalled concrete, and concrete structures like floors, beams, chajjaas, Columns and slabs. iBlok MRP has superior bonding properties with old and new concrete and plasters. It improves the performance of your concrete structure as it reduces the shrinkage. this prevents crack formation and improves abrasion resistance property.

PACK SIZES



“Tested for Performance and tested for Restoration.”

## AREAS OF APPLICATION

- For Waterproofing: Small roof terraces, lower portion of toilet and bathrooms, chajjas & lift pits, balconies.
- For Repair work of RCC structures, spalled concrete, floors, beams, all types of precast cement surfaces, chajjas.
- As a bond coat: For bonding new concrete to old concrete in repair patchwork.
- For concrete screed preparation and base for flooring.

## FEATURES

- **Multi-Purpose:** Sturdy and economical product, has multiple surface application.
- **Simple to use:** Easy to mix, compatible & quick mixing gives better time efficiency.
- **Water Proofing:** Roof, terraces, sunken parts of toilet & bathrooms, chajja & lift pits, balconies.
- **Bonding Agent:** Bonds strongly to new and old concrete, plasters, masonry, and cementitious surface.
- **Crack reduction:** Crack reduction due to advanced mortar flexural strength.
- **Low shrinkage:** Reduction in dry shrinkage which reduces surface cracks.
- **Abrasion Resistance:** Increased wear and tear resistance of cement mix.

## DIRECTIONS FOR USE

### SURFACE PREPARATION:

1. Clean the surface thoroughly using water and a strong brush. Remove all loosely bound sand particles, oil, loose paint, dirt, black spots, fungus, salts/efflorescence, and moss over the moisture-captured walls.
2. Remove the affected concrete area to a square or rectangular shape to at least 10mm depth at the extreme edge to promote enhanced bond strength.
3. Clean the concrete surface where breaking is an issue. All loose concrete surface needs to be removed till strong and rigid surface.
4. Ensure that the entire surface is in saturated surface dry (SSD) condition before the application.

### AS WATERPROOF COATING

JSW Paints iBlok Multi Repair Polymer is a solution for repairs & preventive waterproofing solutions only. For issues of high dampness and efflorescence application of iBlok Waterstop 3K is recommended.

1. For Waterproof coating mix iBlok Waterstop MRP and cement in **1:2 Ratio** by weight.
2. Keep stirring for **2 to 3 min** to release entrapped air. Keep adding cement into the mix till desired consistency is achieved. Mechanical stirrers are recommended for efficient mixing.
3. Apply **2 coats** of prepared mix by brush on a prepared concrete surface at interval of **4 to 6 hours**.
4. It is advisable to cover the applied coat with a protective screed at the desired thickness.

### AS REPAIR MORTAR

A suitable mix ratio for patching repair work as follow :

Mix cement and sand at a **mixing ratio of 1:3** proportion. Add **10%** of iBlok Waterstop MRP to the weight of the cement. Add **20%** of water for better workability.

### AS BOND COAT

1. For bond coating combine iBlok Multi Repair Polymer & cement in **1:1 Ratio**.
2. Apply **1 or 2** continuous coats of prepared mix by brush on an application area.
3. Ensure to overlay the iBlok Multi Repair Polymer when the bond is still tacky. If tackiness is not present kindly apply a fresh coat.

## AS SCREED CONCRETE

A suitable mix ratio for screed concrete is as follows:

1. Mix iBlok MRP at 10% by weight to 1: 1.5: 1.5, (Cement: Sand: aggregates). During the preparation of mix add 20% of water for better consistency and workability.
2. The prepared concrete screed is ready to apply on the concrete floor base to provide suitable flooring or base for the installation of suitable finishing flooring.
3. Cure as per the standard curing time depending upon the atmospheric conditions.

## MIX DESIGN USING iBLOK MRP

Application	Composition	iBlok MRP Qty	Material Consistency and Thickness
Waterproof coating	OPC - 50 KG	25 KG	Slurry consistency
Treatment on micro cracks and pinholes for grouting	OPC - 50 KG, Water- 5 Lit	5 KG	Slurry consistency
Screed concrete for floor	OPC- 50 KG, Graded Sand- 75 Kg Aggregates (6 mm down size)- 75 Kgs, Water- 10 Lit	6-7.5 KG	Mortar consistency, 10-40 mm thickness
Restoration and repair work	OPC- 50 Kg Graded Sand: 150 Kg Water: 10 Lit	6-7.5 Kg	Mortar consistency, 5-25 mm thickness

## TECHNICAL INFORMATION:

Property	Results
Type	Modified SBR Dispersion
Form	White liquid
% Solids	40%
Specific Gravity	1 to 1.1
Ph Value	8

## COVERAGE

- As a waterproof coating: 22 to 24 Sqft/Kg in 2 coats.
- As a mortar modifier: 65 to 80 Sqft/Kg of JSW paints iBlok MRP per 50 Kg of cement.
- As a bonding agent: 45 to 48 Sqft/Kg per coat.

## SHELF LIFE

- Best before 18 months from manufacturing in sealers pack and stored under proper condition.
- Store in a cool and dry place in a sealed condition. Keep away from direct sunlight.

## PRECAUTIONS & CARE

- To achieve desired results, kindly follow the recommended usage.
- In case of working in hot environmental conditions, add water to maintain desired constancy into iBlok Multi Repair Polymer for compensation of loss of water due to evaporation.
- Surface should be in saturated surface dry condition before application.
- For bond coating, make sure the iBlok Multi-Purpose Repair Mortar is overlaid when the surface is tacky to achieve the desired bond. If mortar is dried and tackiness is lost kindly recoat again.
- Strictly avoid stagnant water during the application process.
- In case of direct contact with skin or eyes, wash with plenty of water. Take medical advice.

## BRUSH

For best results, use Flat Brush.

## DILUTION

No dilution by water is required, apply directly on application area after mixing all three components.

## INFORMATION AND CARE ENVIRONMENTAL HEALTH AND SAFETY

- Use only with adequate ventilation during application and drying.
- Avoid contact with eyes and prolonged or repeated contact with skin.
- Do not breathe spray mist or sanding dust.
- Use a dust mask or nose pad during application, sanding and clean up.
- Close container after each use.
- Wash thoroughly after handling.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of skin contact, immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
- No added Lead, Mercury, Chromium, Arsenic and other heavy metals.

## POST DRYING CARE

- If application is being done on brick walls, top layer of cementitious screed coating needs to be done within 24 to 48 Hrs.
- Standard curing of cementitious screed is required for minimum 3 to 5 days to ensure complete cement hydration.

## PRODUCT INFORMATION

Colours: White

## KEY DATA

Drying Time*	(30°C @ 60 R/H)
Surface Dry	4 to 6 Hrs
Recoat	4-6 Hrs
Product Color	Light Grey (After Mixing)
Sheen Level	NA
Vehicle Type	Emulsion

## Other JSW Paints Preparation Products

JSW Paints offers wide range waterproofing solution.  
JSW Paints iBlok- The sure way to waterproof your home.



iBLOK  
ROOF COAT



iBLOK  
WATERSTOP  
DAMPLOC



iBLOK  
BASE COAT  
INTERIOR



iBLOK  
BASE COAT  
EXTERIOR



iBLOK  
CRACK FIX



iBLOK  
WATERSTOP  
WALL PUTTY



iBLOK  
WATERSTOP 3K

## JSW Paints Top Coats Range

Our extensive range of water-based emulsions is designed to capture myriad ideas of beauty and evoke a spectrum of emotions that set the perfect ambience.



MAJESTIC  
INTERIORS SILK



MAJESTIC  
INTERIORS SHINE



MAJESTIC  
EXTERIORS SILK



AURUS  
INTERIORS SILK



AURUS  
EXTERIORS SILK

JSW Paints - Think Beautiful. Every JSW Paints product works to transform beautiful thoughts to reality. Everything about the paint, its application and finish is designed to be the 'Simple-Swift-Sure' way to making homes beautiful.

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This information sheet supersedes all previous versions

For feedback/complaints, write to Customer Care Manager, JSW Paint Pvt. Ltd, Jindal Mansion, 5A, Dr. G. Deshmukh Marg, Mumbai 400 026, India or email at ccpaints@jsw.in or call on 1800-121-5797.

\*Drying time and number of coats are dependent on temperature, humidity, surface porosity.

^Actual coverage may vary and porosity.

REFER TO PRODUCT INFORMATION SHEET AND MSDS FOR MORE DETAILS