

TECHNICAL DATASHEET SMARTBLOK SBR ULTRA PLUS

ECO-FRIENDLY & MULTI-PURPOSE, HIGH-PERFORMANCE SBR POLYMER FOR WATERPROOFING & REPAIR



DESCRIPTION

JSW SmartBlok SBR Ultra Plus is a selective eco-friendly styrene butadiene latex based polymeric material. This is ready to use for multi-purpose water proofing applications at leakage and seepage prone locations of new constructions including bathroom, toilet, water tank, small terraces etc. Addition of this material provides improved adhesion at old to new concrete and plaster. It is a universal repair product for concrete and masonry repair.

FEATURES AND ADVANTAGES

- Crack Prevention - The improved flexural strength prevents crack generation.
- Hardness - It improves the surface's hardness and prevents dust generation.
- Shrinkage - It reduces the drying shrinkages.
- Bonding - It provides improved bonding for concrete, mortar, for new constructions as well as repair works.
- Erosion & Corrosion - It reduces erosion and corrosion.

AREA OF APPLICATION

- Waterproofing: Good as an additive for economical waterproofing of roof and terraces with protective screed on top
- As bond coat: The bond coat provides better adhesion at the interface of old to new concrete and mortar substrate
- Repair works: It provides better adhesion and waterproofing in repair works
- Pinhole treatment: The bond coat is applicable for pinhole treatment of concrete surfaces
- External render: The external render provides a frost free waterproofing

METHOD OF APPLICATION

Surface Preparation

- Surface should be cleaned with a wire brush to remove dirt and loose particles. The surface should be free from grease, oil materials, loose particles laitance and dust
- The damaged portion of the concrete should be removed by saw cutting. If breaking is not possible then the surface should be roughened by wire brush or grit blasting
- After cleaning the surface should be saturated with potable water. The extra water should be removed before application

Waterproofing Application

- The composition of waterproofing coating is SmartBlok Ultra : Cement = 1:2 (by weight)
- Add cement on SmartBlok Ultra with gently mixing to avoid air entrapment
- Use a brush for application. Apply two coats of waterproofing slurry with a 3-4 hr interval (for surface drying) Protective screed should be applied with required thickness and slope

Bond Coat Application

- The composition of the bond coat is SmartBlok Ultra : Cement = 1:1.5 (by weight)
- Add cement on SmartBlok Ultra with gently mixing to avoid air entrapment
- Use a brush for application. Apply one coat on the prepared concrete surface
- Repair mortar should be applied while the applied bonding coat surface is still tacky

Repair Mortar

- The repair mortar to be made with SmartBlok Ultra with the given mix proportion. The mix proportion is Cement : 50 kg, Washed Sand : 150 kg, SmartBlok Ultra : 4-5 kg, Water : 16-17ltr
- Extra water may be added to get required application consistency.

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TECHNICAL DATA

PARAMETERS	RESULTS
Nature/Appearance	Milky white liquid with translucence
Material Type	Modified eco-friendly SBR latex
Smell	Characteristic sweet smell
pH	7-8
Total Active Content (by mass)	43±1 %
Specific Gravity at 25 °C	1-1.05

DOSAGE

- Waterproofing - SmartBlok Ultra : Cement = 1:2 (by weight)
- Bonding Coat - SmartBlok Ultra : Cement = 1:1.5 (by weight)
- Repair Mortar - Cement : 50 kg, Washed Sand : 150 kg, SmartBlok Ultra : 4-5 kg, Water : 16-17 ltr

PACK SIZE

- 1 kg, 5 kg, 10 kg, 20 kg

COVERAGE

- Min 7-8 Sq.ft/Kg of Slurry
- Bond Coat- 20-21 Sft/Kg of slurry

BEST BEFORE

- Shelf life is 12 months from the date of manufacturing
- Store in cool and dry place in unopened condition. Prevent from direct sunlight

SAFETY PRECAUTIONS

- Keep away from children
 - Wear suitable protective clothing, gloves and eyes/face protection
 - After contact with skin, wash immediately with plenty of clean water
 - In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice
- Limited to professional use only. For more details please refer the relevant material safety data sheet, available on request

Disclaimer: JSW Construction Chemical Dry Mix products are guaranteed against material and manufacturing defects. The product is sold as per standard terms and conditions of sales, copies which may be obtained on request. JSW's endeavor is to ensure correct and accurate information on product performance and recommended specifications as mentioned in literature, and still may have to abstain from circumstantial deviations which are beyond control due to human intervention, atmospheric conditions or natural calamities which may not be in accordance with any advice, specification, recommendation or information given by it.

REGISTERED OFFICE

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MARKETED BY:

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