

Technical Data Sheet

Rdymix Wallblok WPC

Elastomeric Exterior Waterproof Basecoat.

Description

Rdymix Wallblok WPC is comprises of high-quality emulsion polymer, properly selected pigments, fillers, additives & biocides. It is used as a waterproofing & protective coating for vertical exterior walls of the buildings.

Area of Application

- All exterior masonry surfaces, Concrete, cement sand render etc,
- Applicable on cement sheets.

Product Features & Benefits

Flexible covers hairline cracks (up to 0.5 mm) effectively, thus prevents ingress of water.

Toughness – Tough film withstands wind driven rain.

Ready to use – No dilution is required.

Breathability – Permeable to water vapour.

Ease of application – Easily applicable by brush and roller.

Non-toxic – Low VOC.

Primer – Can act as a primer cum waterproofing coat for all water based exterior paints

Method of Application.

Surface Preparation

New Plaster/cement-sand renderings /Concrete surfaces should be allowed to age minimum 28 days before surface coating. Surface for treatment must be thoroughly cleaned of all laitance, loose material, oil, grease, etc. by mechanical means such

as wire brush. Areas affected by Algae, moss or fungal growth wash with biocide solution. All surface cracks up to 5 mm width should be filled up with Rdymix Crackcure Paste. Cracks more than 5 mm and all separation gaps should be filled up with Rdymix Rdybond modified mortar or as specified.

Applications

PRIMING

- After the proper surface preparation and curing of repaired areas wash the surface well and maintaining it in saturated surface dry condition proceed for priming using Rdymix Penitro Primer diluted in 2:1 ratio with water (2 parts Rdymix Penitro Primer diluted with 1 part water).
- Maintain the spreading rate of 8-10 sq mtr/litre for a single coat application to achieve about 20 – 25 microns DFT.
- Allow it to dry for 2-3 hrs

Application

Use Rdymix Wallblok WPC directly from the container. Stir contents well before use. Apply one coats Rdymix Wallblok WPC coating without dilution by brush or roller for rain lashing walls at the thickness of 100 – 120 microns.

Surface preparation for repainting

Existing substrates must be cleaned to remove all dirt, mildew and other contaminants. Treat any areas affected by Algae, moss or fungal growth with biocide wash solution. This is accomplished by pressure cleaning equipment with a minimum capability of 100-140 bar water pressure. All grease, oils and asphalt materials must be removed completely. In repainting Rdymix Penitro Primer can be eliminated based on existing paint condition.

Repainting application

- The performance of Rdymix Wallblok WPC Coating will depend upon the condition of the existing paint.
- If the existing paint film is flaking or has a weak bonding with the substrate then the subsequent coat of Rdymix Wallblok WPC will face the adhesion problem.
- For a repainting work apply one coats of Rdymix Wallblok WPC Coating without any dilution maintain the spreading rate of 4.2 – 4.7 sq.mtr per litre / coat application to achieve about 100 – 120 microns DFT.
- After the coat dries apply 1 to 2 coats of any water based exterior paint over Rdymix Wallblok WPC.

Precautions & Limitations

- Do not dilute. In case of fresh painting' Recommended to be primed with Rdymix Penitro Primer.
- Do not apply when ambient temperature is below 10° C or above 35° C.
- Do not apply in direct sunlight or during rains.
- Adhesion property may get affected over putty and very smooth surfaces.
- If surface has excess moisture, there is possibility of blister formation in case of all liquid applied coatings.

Technical Information:

| Sr.no | Properties | Specification/Standard | Results |
|-------|---------------------------|------------------------|-------------------|
| 1 | Nature | Visual | Single Pack |
| 2 | Appearance | | White Base |
| 3 | pH | ASTM E 70 | 8.0 – 9.0 |
| 4 | Specific gravity | ASTM D 1475 | 1.32 – 1.42 |
| 5 | % Non-Volatile matter | ASTM D 2369 | 58 – 64 |
| 6 | % Break elongation | ASTM D 412 | Min 120 % |
| 7 | Water resistance | ASTM D 471 | Passes |
| 8 | Water Absorption | In house | Passes |
| 9 | Water Vapour Transmission | In house | Passes |
| 10 | Tensile strength | ASTM D 412 | 2.0 Mpa |
| 11 | Adhesion strength | ASTM D 4541 | 1.5 Mpa |
| 12 | Dry Film Thickness | IS 2808 | 100 – 130 microns |

Theoretical Coverage:

- **Rdymix Penitro Primer:** 8-10 sq.mtr per litre for a single coat.
 - **Rdymix Wallblok WPC:** 4.2 – 4.7 sq.mtr per litre.
- (Consumption may vary depending upon the texture and porosity of the surface)

Shelf Life

Shelf life is 36 months from the date of manufacturing if stored in original and unopened packaging in a cool dry place away from direct sunlight.

Health & Safety

- **Skin Contact:** Wash skin with soap & water. Remove contaminated clothes.
- **On eye contact:** Immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- **Refer MSDS** for safety precautions.

PRODUCT STEWARDSHIP:

Jesons is committed to Responsible Care® and wants to pose no risk to people or the environment at any stage of their product life cycle. This responsibility is the base of our Product Stewardship principle by which we evaluate the Safety, Health and Environment information on our products and take appropriate steps to protect our Employees, Public Health and Environment.

Disclaimer:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge, understanding and experience of the product. The product can have a variety of different applications as well as differing application and working conditions in user environment that are beyond our control. We are therefore, not liable for the suitability of our product for the production/application processes and conditions in which user/customer uses them, as well as the intended applications and results. We strongly recommend that the user carry out their own prior trials to confirm such suitability of our product and its compliance with all applicable laws, regulations, and safety standards. The Information in the Technical Data Sheet does not constitute a warranty or guarantee, either express or implied, of any specific properties and suitability for any particular purpose.