

Technical Data Sheet

Rdymix Wallblok TC

Description

Rdymix Wallblok TC system is comprises of quality acrylic emulsion polymer, light fastness & weather durable pigments, with graded fine fillers, additives & biocides. Used as a waterproofing & protective coating for exterior vertical walls of the buildings. It has excellent flexibility, breathability, water resistance, crackbridging, weathering durability and superior resistance to the growth of micro-organisms.

Typical Applications

All types of exterior masonry surfaces, concrete, cement sand renderings, existing coating etc.

Features

- **Resists wind** – driven rain, prevents water penetration into the substrate.
- **Anti-carbonation** – Effective carbon dioxide diffusion barrier protects embedded steel from corrosion.
- **Waterproofing** – Coating film provides good crack bridging ability and waterproofing properties.
- **Flexibility** – Flexible and covers hairline cracks (up to 2 mm) effectively, thus prevents ingress of water.
- **Toughness** – Tough film withstands wind driven rain.
- **Elastomeric** – High elasticity easily withstands stress caused by thermal expansion & contraction
- **Ready to use** – No dilution required
- **Microbial resistance** – Resistance to fungus and algae hence maintains the aesthetic value.
- **UV resistant** – Good colour retention for a long lasting attractive finish
- **Low dirt pick up** – Low dirt pick up & easily cleaned hence maintains the aesthetics.
- **Ease of application** – Easy applicable by brush and roller.

Method of Application Surface Preparation

Surface must be thoroughly cleaned, free of dust, grease etc and washed well with water. Treat any areas affected by Algae, moss or fungal growth with biocide wash solution. The surface to be monitored for cracks, hollowness and loose plastered areas etc if any, loose plaster and cracks larger than 10 mm width to be repaired with polymer modified mortar using Rdymix Rdybond. The cracks up to 5 mm to be treated with Rdymix Crackcure Paste and the larger ones up to 10 mm with Rdymix Crackcure NoShrink.

Priming

Post surface preparation and curing of repaired areas wash the surface well and maintain it in saturated surface dry condition, 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 DFT 20 – 25 microns. Allow it to dry for 2-3 hrs

Coatings

Brush apply one coat of Rdymix Wallblok WPC without any dilution maintain the spreading rate of 4.2 – 4.7 sq mtr/litre/coat application to achieve 100-120 microns DFT. The second coat of Rdymix Wallblok TC Topcoat to be apply with interval of 6-8 hours without any dilution, maintain the spreading rate of 6-7 sq mtr/litre/ coat application to achieve about 60 – 70 microns DFT. Rdymix Wallblok TC High Build durable exterior Elastomeric waterproof Coatings.

Surface preparation for painted surface:

Existing substrates must be cleaned to remove all dirt, mildew and other contaminants. Areas affected by Algae, moss or fungal growth with biocide wash solution this is accomplished by pressurecleaning 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:

- The performance of Rdymix Wallblok TC system 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 TC will face the adhesion problem.
- For a repainting work if the surface is in sound condition then Rdymix Penitro Primer is not required and the same covering rates of Rdymix Wallblok WPC Coating and Rdymix Wallblok TC to be maintained.
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Coating

- Brush 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.
- The second coat of Rdymix Wallblok TC Topcoat to be apply with interval of 6–8 hours without any dilution, maintain the spreading rate of 6 – 7 sq mtr/litre / coat application to achieve about 60–70 microns DFT.

Safety and Storage:

Sr.no	Properties	Standard	Typical Values
1	% Break Elongation	White, viscous liquid.	Min 100
2	Tensile strength		2.5 N/mm ²
3	Positive Hydrostatic Pressure	DIN 1048	7 Bar
4	Anti-carbonation	EN 1062 part 6	Complies
5	Rapid Chloride ion Penetration test	ASTM C 1202	Low

Packaging:

Coverage:

Rdymix Penitro Primer: 8 – 10 sq mtr/litre for a single coat

Rdymix Wallblok WPC: 4.2 – 4.7 sq mt/litre.

Rdymix Wallblok TC: 6 – 7 sq. mt single coat

Coverage may vary depending upon the nature and texture of the substrate.

Shelf Life:

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

Precautions & Limitations

- Do not dilute.
- Do not apply when ambient temperature is below 10°C or above 35°C.
- Do not apply in direct sunlight or during rains or expected rain.
- Adhesion property may get affected over putty and very smooth surfaces.

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.
- **Ingestion:** It is based on Water Based Coating system, however, seek medical help.

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.