

Technical Data Sheet

Rdymix Rdybond

Description

Rdymix Rdybond is ready to use high performance SBR based latex, it is used as bonding agent, for repair of spalled concrete, floors, columns, beams, chhajjas, slabs & waterproofing of toilets & bathrooms, small terraces etc. It bonds strongly to old & new concrete and to plasters. It reduces shrinkage, prevents cracking, dust pick up & improves abrasion resistance.

Standard Compliance / specification

Meets the requirements of BS 6319 part 2:1983 & ASTM C 190-85 standards while used in mortar.

Typical Applications

- **For concrete repairs** – Spalled concrete of floors, columns, beams, chajja, slabs, parapets, etc.
- **For waterproofing** – Small roof terraces, sunken portions of toilets & bathrooms, chajja & lift pits, balconies.
- **As a bond coat** – For bonding of new concrete to old concrete, masonry stone work, plastering.
- **For cladding** – Fixing or re-fixing of slip bricks, tiles, stones & marble bedding.
- **As external rendering** – Weatherproof & frost resistant render.
- **As bonding slurry coat** for pinhole treatment on concrete surface.

Features

- **Multipurpose** – It is multipurpose & economical product, easy to use.
- **Cracking** – It prevents cracking by improving flexural strength.
- **Hardness** – Improves the hardness & prevents dust generation.
- **Shrinkage** – Reduces drying & aging shrinkage cracks.
- **Bonding** – Bonds strongly to concrete, masonry, stonework, plasters, cementitious surfaces.
- **Erosion & corrosion** – Improves erosion resistance & prevents corrosion.
- **Abrasion resistance** – Improves abrasion resistance of the cement mix.
- **Grouting** – Reduces viscosity of cement injection grout for better fluidity & bonding.

Packaging

5 Kg and 20 Kg.

Method of Application

SURFACE PREPARATION

- Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance & dust.
- Degrease the surface by using suitable solvents.
- Remove spalled concrete with hammer or chisel.
- Clean the concrete surface to remove any contamination where breaking is not possible.
- Roughen the surface by light scrubbing or grit blasting.
- For priming of concrete substrate, the surface should be thoroughly saturated with potable water.
- Remove any excess of water prior to application.

USES:

WATERPROOFING COATING

- For a waterproofing coating Mix Rdy mix Rdybond: Cement in the ratio 1:1.5 by volume.
- Mix for 2–3 minutes to avoid air entrapment.
- Keep on slowly adding cement to Rdy mix Rdybond until the required consistency is achieved.
- SBR Latex for waterproofing & repairs.
- Apply 2 coats of the mix in a span of 4–6 hours on the prepared concrete substrate.
- Overlay the coating with a protective screed to the desired slope & thickness.

BONDING PRIMER

- For a bonding primer coat of Rdy mix Rdybond: Mix Rdy mix Rdybond Cement in the ratio 1:1 by volume.
- Brush apply 1 continuous coat of the mix on the prepared concrete substrate.
- Ensure to overlay the repair mortar when the bond coat is still tacky.

REPAIR MORTARS & RENDERS

A typical mix ratio for patching repair mortar or render is as follows:

Mix design –

- Portland Cement : 50 kg
- Washed sand : 150 kg
- Rdy mix Rdybond : 6–7.5 kg &
- Water : 10 Lit (For desired consistency)

FLOOR SCREEDS & Pre-Cast Concrete.

A suitable mix ratio for patching repair mortar or render is as follows:

Mix design

- Portland Cement : 50 kg
- Washed sand : 75 kg,
- Aggregates 6 mm downsize: 75 kg,
- Rdy mix Rdybond : 6-7.5 kg & Water: 10 Lit.

Technical Information

Sr.no	Parameters	Typical Values
1	Nature	Milky white, translucent, free flowing liquid
2	Chemical Composition	Styrene Butadine Rubber latex
3	Total solids % by mass @ 110° C/1 Hr V	38 – 40 %
4	pH value at 25 °C	7 – 9
5	Density at 25° C	1.00 – 1.05 g/cc

Dosage & Coverage:

As a waterproofing coating – Mix proportion by volume 1:1.5 (Rdy mix Rdybond: Cement), 2 – 2.2 m²/kg in 2 coats.

As a bonding agent – Mix proportion by volume; 1:1 (Rdy mix Rdybond: Cement) 4.2 – 4.5 m²/kg per coat

Precautions & Limitations

- Ensure surface should be in SSD condition before application.
- Recommended dosage to be followed to achieve desired results.
- When working in hot temperature conditions, extra water may be added to the repair mortar to compensate for the evaporation loss & make the mortar workable.

Shelf Life

- Best before 18 months from the date manufacture when in sealed pack and stored under proper condition.
- Store in a cool & dry place in unopened condition away from direct sunlight.

Health & Safety Precautions

- Cementitious mortars & slurries modified with Rdy mix Rdybond when mixed or when become damp, may release alkali which can be harmful to skin & eye.
- Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment during application.
- In case of contact with skin, rinse with plenty of clean water and then cleanse with soap water.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.

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.