

Technical Data Sheet

Rdymix CWP

INTEGRAL LIQUID WATERPROOFING COMPOUND FOR CEMENT CONCRETE AND PLASTER.

Description

Rdymix CWP is specially formulated integral liquid waterproofing compound composed of surface active plasticising agents, polymers & additives. It is used as an additive for cement concrete, mortar & plasters. It makes concrete cohesive, prevents segregation and reduces permeability.

Typical Application

Waterproofing of concrete and sand-cement mortars used in Basements, Roof slabs and screeds, Water tanks & water retaining structures, External plastering, Bathrooms and balconies, Sumps and drains.

Features

- **Permeability** – Reduces the permeability of water into concrete.
- **Workability** – Improves workability of freshly mixed cement concrete.
- **Corrosion resistant** – It delays corrosion of steel in concrete.
- **Compatibility** – Being a liquid, easily dispersible & compatible with concrete/mortar mixes.
- **Strength** – The setting time and compressive strength of the concrete remains within the specification limits.
- **Shrinkage** – Reduces shrinkage cracks in plaster & concrete.
- **Durability** – Increases durability of plasters & other concrete mortar.



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Document No.:

JIL/TC-DEV/07

Issue No.: 02

Formerly known as RCC01

Packing

Method of Use

- Charge cement & aggregates to concrete mixer as per the mix design, mix in dry state for 1–2 minutes.
- Start addition of 75–80% mixing water & mix for 2–3 minutes.
- Rdy mix CWP is added as per the recommended dosage (200 ml/50 kg bag of cement) into the remaining mixing / gauging water, then add to concrete mixer & mix for another 2 minutes.
- Place the concrete or apply plaster, as needed. Cure the applied mortar or concrete for 28 days.

Precautions & Limitations

Do not add Rdy mix CWP directly to dry cement & aggregate mix.

Maintain water–cement ratio as low as possible.

Do not increase the dosage of Rdy mix CWP than the recommendation.

INTEGRAL LIQUID WATERPROOFING COMPOUND

Technical Parameters:

Sr. no	Parameters	Test method	Typical Values
1	Appearance	Visual	Free flowing liquid
2	Colour	Visual	Dark brown liquid
3	Sp. gr. @ 250C	ASTM D 1475	1.04 – 1.09
4	Non-volatile content	ASTM D 2369	13.5 – 14.5%
5	pH value	ASTM E 70	11.0 – 14.0
6	Chloride content	IS 6925	Max 2.0 %
7	Setting time, minutes	IS 2645:2003	Passes
8	Water permeability		Less than 50 % w.r.t control
9	Compressive strength N /mm ² (3 days)		Not less than 90 % w.r.t control
10	Compressive strength N /mm ² (7 days)		Not less than 90 % w.r.t control

Dosage

200 ml per 50 kg bag of cement

Shelf Life

2 years from the date of manufacture when in sealed pack and stored under proper condition. Store in a cool & dry place.



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Safety and Storage:

Wear eye protection during application. 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. Do not breathe vapour or spray. It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation. Do not pour leftover paint down the drain or in water courses.

In the event of spills, contain spillage using sand or earth. No added Lead, Mercury or Chromium compounds.

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.



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