

Technical Data Sheet

Rdymix Cem-Flex 2K

2-PARTS FLEXIBLE ACRYLIC CEMENTITIOUS WATER PROOFING COATING

Description

Rdymix Cem-Flex 2K is 2 component acrylic polymer flexible cementitious waterproofing coating specially formulated for Concrete and Masonry Surface. It is supplied in ready-mix form (2 parts Powder: 1 Part Liquid). When the dry powder is mixed with acrylic emulsion it's a relative brushable coating which can be applied using brush or trowel. This product can be applied on damp surface for excellent waterproofing property. Rdymix Cem-Flex 2K forms a tough, flexible and seamless waterproof coat which acts as an excellent water barrier to Concrete and masonry Surface. Environmentally friendly – No Volatile Organic Compound (VOC).

Area of Application

- Bathroom, toilet, kitchen, small balconies and sunken portion.
- Concrete foundations, basements wall, water tanks and lift pits.
- Ideal as a coating for waterproofing of chhajjas, canopies, etc.
- Any other concrete, cement or masonry surface subject to damage from moisture.

Product Features & Benefits

- **Elastomeric** – flexible coating, accommodate cracks up to 2 mm with an elasticity of min 50%.
- **Low water permeability** – excellent resistance to ingress of water.
- **Adhesion** – excellent adhesion to concrete and masonry surfaces.
- **Eco-friendly** – Non-toxic with low VOC content.
- **CFTRI certified** – as a “potable water safe” coating for waterproofing for water tanks.

Method of Application

Surface Preparation

Allow new concrete and masonry substrate to fully cure for 28 days prior application of Rdy Mix Cem-Flex 2K. Surfaces must be free from oil, grease, wax, dirt or any other foreign matter which affects adhesion. Spalled Concrete must be sound before applied. Substrate should be in "Saturated Surface Dry" (SSD) condition (damp, without standing water). In case of efflorescence surface area should be removed well over and wider affected area.

Mixing

- Using mechanical mixer, slowly add Powder to Liquid part in a clean container until a smooth and homogenous slurry mixture is achieved.
- Allow the mixed slurry to stand for 5-10 minutes for releasing air-entrapped during mixing prior to application.
- Mixed material must be applied within recommend pot life.

Applications

- Rdy Mix Cem-Flex 2K slurry can be applied by brush on SSD, masonry or brick surface. Don't dilute with water.
- Recommended coverage rate is approximately 0.6 – 0.75 m²/kg in 2 coats.
- Allow the slurry to cure for at least 1 hour before applying a second coat. Dry film thickness varies depending on level of substrate and porosity.

Curing

Rdy Mix Cem-Flex 2K requires at least 7 days curing before ponding tests.

Cleaning

Rdymix Cem-Flex 2K can be removed from tools and equipment immediately after use with clean water, only hardened material can remove mechanically.

Technical Information:

Sr.no	Parameters	Specification/Standard	Typical Values
1	Mix Component	NA	Mix Ratio 1:2 (Liquid: Powder)
2	Mix Density	ASTM D 1475	1.55 – 1.75 g/cc.
3	Pot Life at 30 +/- 2 °C	Internal test method	45 mins
4	Recoat ability time	ASTM D 1640	6 – 8 Hrs
5	Tensile Strength	ASTM D 412	0.6 – 0.9 N/mm ²
6	Elongation at Break	ASTM D 412	min 50%
7	Adhesion to Substrate	ASTM D 4541	Min 0.7 N/mm ²
8	Water Permeability	SS – 500	15 – 21 ml/m ² /day

Precautions & Limitations

Rdymix Cem-Flex 2K is not suitable for traffic area application.

Rdymix Cem-Flex 2K is a pre-measure package. Do not dilute with water or add any more sand or cement.

Rdymix Cem-Flex 2K do not be applied by roller.

Drying and curing times are determine under controlled temperature and relative humidity below 60%, at average of the DFT range for the product.

Shelf life

12-months storage in sealed container and room temperature.

Health & Safety Precautions

- Non-Flammable. Avoid contact with skin and eyes. Any splashes to the skin or eyes should be washed off with clean water.
- Wear mask when mixing. Wear protective gloves and eye protection when applied.

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.