

# MIXCURE R

## Resin based concrete curing agent

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**Mixcure R** is a liquid type non-degrading curing and sealing membrane forming compound based on specially formulated resin and wetting agents. Mixcure R is used to prevent rapid evaporation of water from fresh concrete ensuring uniform hydration, adequate strength developments and also reduce the plastic shrinkage cracks on concrete surfaces.

Mixcure R will act as a sealing coat in order to protect concrete surfaces from the attack of water borne salts and atmospheric carbon dioxide gas

### Appropriation

- Dust proofing and floor hardening in almost all concrete surfaces
- As a primer for subsequent finishing work on surfaces

### Characteristics

Avoid ponding and wet hessian

Eliminate the need of water curing, ideal for high rise construction

Acts as a primer system for subsequent finishes, for new and old surfaces

Single component, permanent, penetrating treatment. Hardening action improves abrasion Resistance and chemical resistance to mild acids and Alkalis

Mixcure R acts as a primer for water based emulsion paints, bitumen coating, and cementitious overlays

Method of application: Mixcure R can be applied by spray, brush or roller

The product can be applied when initial bleed water disappears

Resist the growth of bacteria growth

Reduce chloride penetration

### Technical Data & Properties

Standard conforms: ASTM C-309 type 1 class B

Appearance: Clear liquid and white solar reflective version

Specific Gravity: clear: 0.82@25<sup>0</sup>C

White: 0.89@25<sup>0</sup>C

Flash point: 35<sup>0</sup>C

Toxicity: Non Toxic

Water retention: Pass (ASTM309)

Drying time: 1hour and 45minutes at 23<sup>0</sup>c

### Product Management

Application procedure: Mixcure R should be spray applied as evenly as possible to the freshly placed concrete. Hold the nozzle of the spray approx. 500mm from the concrete surface and pass back and forth ensuring complete coverage. Maintain the pump pressure at a sufficient level to produce a fine spray.

On horizontal surfaces, apply Mixcure R as soon as the initial surface sheen has disappeared from the concrete face.

For formed concrete, apply Mixcure R as soon as formwork is struck. Rate of coverage will depend on particular circumstances but will generally be 5 m<sup>2</sup> to 6 m<sup>2</sup> /litre for both Mixcure R clear and white.

Coverage: 5m<sup>2</sup> / litre depending on the surface. Normally two coats at the above rate are advisable, allowing the first coat to be dried for 3 hours at the second coat

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## Packing & Storage

Mixcure R is available in 20 litres and 200 litres drums. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers/ storage tanks. Mixcure R should be stored in cool, dry and shaded warehouses.

Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

## Health & Safety

Mixcure R contains no hazardous substances. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any contact to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each Fab product.

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# FAB

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Technical information given in this datasheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The datasheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of the publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity, etc. and porosity of substrate may impinge on the values.

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