

# MIXCURE S41

Bitumen based concrete curing / protection agent for concrete

**Mixcure S41** is a bitumen base, membrane forming curing and sealing compound based on specially formulated blend of bitumen, asphalt and selected polymers dissolved in quick drying solvent and wetting agents. Mixcure S41 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 S41 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

- Primer for water-proofing membranes
- Dust proofing and floor hardening in almost all concrete surfaces
- Foundation curing, prior to the application of protective coating
- Damp-proof membrane

## Characteristics

Avoid ponding and wet Hessian

Eliminate the need of water curing

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

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

Method of application: Mixcure S41 can be applied by spray, brush or roller

The product can be applied when initial bleed water disappears

On formed concrete, immediate after removing the form work, apply Mixcure S41 by spray, roller or brush

Effective barrier to CO<sub>2</sub> diffusion

Excellent resistance to chloride ion ingress and protects concrete at its most vulnerable time.

## Technical Data & Properties

Standard conforms: ASTM C-309 type 1, class B

Appearance: Black liquid

Finished film appearance: tack free, brown / black film

Specific Gravity: 0.88@25°C

Flash point: 39°C

Tack free time: 3 hours 30 minutes@25°C

Curing efficiency ASTM C309: Pass

Composition: Blend of bitumen, asphalt, selected polymers dissolve in fast drying solvents.

## Product Management

Application procedure: Mixcure S41 should be applied by spray, roller, and squeegee brush. 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 S41 as soon as the initial surface sheen has disappeared from the concrete face.

For formed concrete, apply Mixcure S41 as soon as the removal of formwork, 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 Mixcure S41

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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 12- 18 hours for the second coat.

Depend on the spray equipment up to 10% white spirit can be added to facilitate spraying

When used for the damp-proofing floors apply a second coat at right angles to the first and whilst still tacky lightly grit the whole area to form a key. The concrete screed can be laid after 24 hours and should be greater than 50mm in thickness.

## Packing & Storage

Mixcure S41 is available in 200kg drums. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers/ storage tanks. Mixcure S41 should be stored in cool, dry and shaded warehouses.

Shelf life is 12 months when stored under cover, out of direct sunlight between to 45°C, 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

As with all Bitumen products caution should always be exercised, Mixcure s41 contains volatile solvent with low flash point. Avoid inhalation of vapours and ensure adequate ventilation in the working place. Fire and naked flame should be kept at a distance. 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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THE CONSTRUCTION CHEMIST

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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