

MONNELI BETOCURE W

Wax Based Concrete Curing Compound

Product Description

A wax based emulsion concrete curing compound. Single component and is ready to apply on freshly poured concrete to prevent rapid evaporation of water.

The resultant film allows high curing efficiency to be maintained even in conditions of intense ambient light.

The solvent-free membrane forming wax emulsion retains sufficient moisture in the concrete to ensure full hydration of the cement.

Uses

BETOCURE W is suitable to use for all types of concrete surfaces such as:

- Factory floors and warehouses
- High rise buildings
- Floor slabs and columns
- Multilevel parking decks
- Driveways and parking areas
- Industrial flooring
- Ports
- Airport hangars
- Self-curing primer systems and subsequent coverings

Advantages

- High curing efficiency
- Cured film is clear and water repellant
- Water based. Eco-friendly
- Solar reflectant
- Creates a dust free, hard wearing surface
- Eliminates the need for water curing
- Reduces surface cracking and shrinkage
- Reduces labor costs

Instructions for Use

Pre-Application

BETOCURE W should be gently stirred immediately before use to ensure even dispersal of the pigment. Application should not begin until concrete is free from surface water and should not commence if bleed water is apparent on the concrete surface.

For horizontal surfaces BETOCURE W should be applied as soon as the initial surface sheen has disappeared from the concrete surface. Any trace of laitance, grease or loose materials should be removed.

It is essential to dampen the concrete with water prior to application

Application

BETOCURE W should be applied as evenly as possible to the freshly place concrete at a rate of 5m²/liter. During unfavorable conditions such as high temperatures or windy seasons, rate of application might be increased.

Application should be back and forth to ensure complete coverage. The emulsion cures to form a clear film which provides a moisture barrier to enable to attain the desired degree of curing efficiency.

Motorized or knapsack spray equipment which produces a fine spray is recommended for use of BETOCURE W.

The time for the deterioration of the membrane is dependent on a number of factors such as film thickness, degree of exposure to weathering and traffic.

Sub-subsequent Finishes

BETOCURE W is compatible to a variety of finishes including:

- Various polymer modified repair mortars
- EPOXY RESIN coatings which do not rely on penetration for substrate bond

- Water based emulsion paints
- Bituminous emulsion
- Paints based on PVA, acrylic co-polymers

It is recommended that an onsite bond test is carried out to determine absolute suitability.

Cleaning

Equipment and tools used should be cleaned promptly with water.

Recommendations

- BETOCURE W should only be applied in well ventilated areas.
- BETOCURE W should not be applied during rainy days.
- Do not dilute or mix BETOCURE W with other products.
- BETOCURE W should not be applied during high temperature conditions in direct sunlight. These conditions cause rapid evaporation, which does not allow the film to form properly.
- Concrete containing calcium chloride will look dark when treated with BETOCURE W.

Applicable Standards

- ASTM C 309, Type I, Class B
- BS 7542
- BS 8110, Part 1

Coverage

5-6 m² per liter, depending on concrete surface condition

Packaging

BETOCURE W is packed in 20 liters and 210 liters drums.

Technical Data

Properties	Results
Appearance	White emulsion which forms a clear film on drying
Dry film	Clear, tack free
Density at 25°C	1.02 kg/L
Efficiency white pigmented	> 80%
Flash point	Nil

All values are subject to 5-10 % tolerance

Storage

BETOCURE W has a minimum shelf life of 12 months, provided the temperature is kept within the range of 5°C to 35°C. Prolonged exposure to direct sunlight should be avoided.

Containers should be kept sealed and airtight to prevent of moisture by evaporation.

Health & Safety

BETOCURE W does not fall into hazardous classification of current regulation. However, it should not be swallowed or allowed to come into contact with skin or eyes in either spray or bulk form.

Splashes on the skin should be removed with water. In case in contact with eyes, rinse immediately with water and seek medical attention.

If swallowed, seek medical attention immediately.

Wear suitable protective clothing, gloves and goggles.

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