

## EmO Cure RB 90

High quality, resin based, concrete curing compound

### Uses

Provides a high efficiency, spray-applied curing compound, to retain water with in concrete for effective curing. It is suitable for all common forms of concreting.

- Bridges
- Warehouses
- Concrete tanks
- Car park decks and ramps

### Advantages

Improved curing of concrete enhances cement hydration and provides a more durable concrete.

Light reflective grades minimize solar temperature gain

Fast spray application reduces costs

No need for alternative curing systems

Control of moisture loss improves surface quality, reducing permeability, producing a hard wearing, dust free surface and minimizing potential for surface cracking and shrinkage.

### Standard compliance

All grades of EmO Cure RB 90 give 90% or greater curing efficiency when tested to BS 7542 and comply with BS 8110 part 1, ASTM C 309 and AASHTO M148. EmO Cure RB 90

aluminized, complies with DTp specification for highway works, Cl.1027

### Description

EmO Cure RB 90 concrete curing compound is resin based and is supplied in various pigmented grades.

When first applied to a fresh cementitious surface the product forms a continuous, non-penetrating coating. This coating dries to form a continuous film which provides a barrier to moisture loss ensuring more efficient cement hydration, improved durability and reduced shrinkage.

The white and aluminized grades contain pigments based on titanium dioxide and aluminum flakes respectively to meet specifications requiring such pigmentation for reduction of solar temperature gain.

### Properties

Form : liquid-white or clear

Curing efficiency : 90% (BS 7542)

### Instruction for use

#### Mixing

EmO Cure RB 90 –Pigmented grades should be gently stirred immediately before use, to ensure even dispersal of the pigment.

Application should not begin until the concrete is free from surface water, and should not

commence at all if bleed water is apparent on the concrete surface.

### Application

EmO Cure RB 90 should be applied by spray, with the spray nozzle being held approximately 450 mm from the concrete surface. Application should pass back and forth to ensure complete coverage.

After spraying, no further application of water or other material is necessary to ensure continued curing. The concrete surface should not be disturbed until it has sufficient strength to bear surface loads. The applied film should not be trafficked until fully dry, and care should be taken to ensure that the film is not broken.

EmO Cure RB 90 may also be applied to newly hardened concrete immediately after demoulding, which should be damp, not dry. Surface which are dry will lead to problematic absorption of the membrane, preventing proper film formation and causing removal difficulties at a later stage.

### Over coating and removal

EmO Cure RB 90 must be removed from concrete substrates before subsequent coating works commence, to promote proper bond between the concrete and the applied coating. Although the membrane will be slowly removed by normal trafficking and UV exposure, this is likely to be inconsistent. To ensure complete removal use high pressure steam or water blasting, or light sand blasting

### Limitations

EmO Cure RB 90 Should not be applied onto dry surfaces.

Any concrete surface which receive treatment with EmO Cure RB 90 should not be disturbed until the concrete has gained sufficient strength to bear surface loading.

### Estimating

EmO Cure RB 90 : 200 LITRE DRUMS

Coverage : 3.5 to 5.0 m<sup>2</sup>/litre

### Storage

EmO Cure RB 90 must be stored in a place where temperature does not drop below +5°C. If product has frozen, thaw at +3°C and agitate until completely reconstituted. Store under cover, out of direct sunlight and protect from extremes of temperature.

### Health and safety

EmO Cure RB 90 does not fall in to the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Splashes on the skin should be removed with water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.

### Fire

EmO Cure RB 90 is non-flammable

## ELMRR

Elmrr manufactures a broad range of specialist construction chemicals including concrete repair and protection systems, High quality precision grouts, concrete admixtures, Industrial floorings and coatings, technically advanced joint sealants, adhesives, bonding agents, water proofing and damp proofing products, micro concretes and protective coatings.

The wide product range available from elmrr allows it to differentiate itself from many of its competitors. This coupled with its dedication to the pursuit of excellence, innovation and excellent quality, positions elmrr well in the field of construction chemicals

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