

TufCure RB

Resin Based Concrete Curing Compound

Uses

- Used in all forms of concreting and is of particular benefit for large concrete areas.
- Used as a spray applied curing compound to retain water within concrete for effective curing.
- Used as an efficient curing compound for an enhanced concrete durability.
- Used in areas like warehouses, unloading bays, harbours, airport runways, concrete tanks and reservoirs, etc.

Typical Applications & Advantages

- Single component, easy to apply.
- Increased durability through greater curing efficiency.
- Versatile – suitable for confined spaces available in white pigmented version for simple, visual application check and it reduces solar temperature gain.
- Environmentally friendly – non-hazardous resin can be discharged directly on site.
- Cost effective – specifically formulated for low cost spray application.
- Reduces drying shrinkage and resultant cracking.

Standards Compliance

TufCure RB complies with the requirements of the following standards:
ASTM D 2111:1985 Method C
BS 7542:1992

Product Description

TufCure RB is a low viscosity, resin emulsion, curing compound. It is supplied as a single component liquid, which is ready for immediate on-site application. The system forms a continuous non-penetrating film on cementitious surfaces preventing excessive water evaporation leading to more efficient cement hydration thereby reducing shrinkage and increasing durability. TufCure RB is applied by spray to fresh cementitious surfaces at a coverage rate of 3.5 to 5.0 m² per litre.

Typical Properties

Form	: Liquid-white or clear
Homogeneity	: Homogeneous
Curing Efficiency	: > 90%
Specific gravity	: 1.00 @25±2°C

Technical Support

GIC provides a comprehensive technical support service to specifiers, end users and contractors and is able to offer on-site technical assistance.

Instructions for Use

TufCure RB should be gently stirred immediately before use, 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.

TufCure RB should be 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. When first applied, the product forms a non-penetrating white coating across the concrete surface. The coating cures to form a white or clear film – which then provides the moisture barrier to enable effective, concrete curing. The applied film should not be trafficked until fully dry, and care should be taken to ensure that the film is not broken.

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

Motorized spray equipment which produces a fine spray, is normally recommended for use with TufCure RB. Spray equipment should be cleaned immediately after use by flushing through with water. Any residual traces of resin, which are left in the nozzle, may be cleaned with GIC Solvent.





TufBond

TufCure RB 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.

responsibility to check that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended.

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Limitations

- Concrete surfaces, which receive treatment with **TufCure RB**, should not be disturbed until the concrete has gained sufficient strength to bear surface loading.
- **TufCure RB** should only be re-circulated using a low shear diaphragm pump.
- **TufCure RB** should not be applied onto dry surfaces, which may lead to absorption and staining which will be difficult to remove later.

Packaging & Storage

TufCure RB is supplied in 20 litre and 210 litre drums and it has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Health & Safety Precautions

TufCure RB does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. 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.

For further information, refer to the Material Safety Data Sheet available for this product.

Important note

GIC endeavors to ensure that the technical information contained herein is true, accurate and represents our best knowledge and experience. No warranty is given or implied, as GIC has no control over the conditions of use and the competence of any labor involved in the application are beyond our control.

As all GIC technical data sheets are updated on a regular basis it is the customer's

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