

Wax Based Concrete Curing Compound

DESCRIPTION

TIKI CURIT WB complies with ASTM C309 Class A Type-1 and BS 7542 standard as wax based concrete curing compound.

TIKI CURIT WB is supplied as ready to use single component low viscous milky white membrane forming wax emulsion, which on drying forms clear moisture barrier film on the concrete surface.

It is specially formulated with emulsion breaking functional additives, which when applied on concrete surface, immediately results in breaking of emulsion with a formation of moisture barrier continuous film, which prevents evaporation of water from concrete mix, reducing shrinkage cracks and enabling efficient hydration of cementitious materials.

The formed membrane film remains on the concrete surface until it naturally breaks down and disintegrates over a period under the influence of weathering. Any traces of left over curing compound on concrete surface should be removed by wire brushing or other mechanical means before applying subsequent treatments requiring complete bonding with the concrete surface.

USES

TIKI CURIT WB is use as an effective and economical curing compound alternative to conventional expensive methods employing hessian, water or plastic sheets.

It is preferred system for use in areas where water scarcity is present or where curing with water is unreliable or poses practical difficulties, such areas include vertical or sloping planes, chimney, towers, silos, canal lining, walls, and others.

It is highly suitable for use on large areas of concrete where higher surface area results in quick evaporation of mix water and formation of drying shrinkage cracks, such areas include concrete pavements, bridge decks, driveways, runways, industrial floor slabs, and others.

It is suitable for use as bond breaker on vertical faces of precast bridge segments during match casting, on concrete road pavements to prevent bonding of base course with top course, in lift slab constructions.

It is use to cure small patch repair works.

Note: **TIKI CURIT WB** is not recommended in areas when subsequent renders, toppings, coloured concrete finishes or coatings are to be applied.

ADVANTAGES

- Ensures high water retention of concrete mix and development of strength.
- Efficient curing of concrete and hydration of cementitious particles.
- Prevents quick evaporation of mix water from concrete surface.
- Forms moisture barrier for whole of the curing period preventing water loss / evaporation of water from concrete mix.
- Eliminates need for water, hessian, plastic sheet or other conventional methods as alternative curing regime.
- Eliminates risk of erratic or poor curing associated with conventional curing methods.
- Minimises risk of drying shrinkage cracks and dusty surfaces.
- Non-toxic and non-inflammable.
- Solvent free-V.O.C compliant-non-hazardous for use
- Sprayable with commonly available equipment – reduced labour cost and economical to use.

PROPERTIES

Properties	Values
Colour	Milky White
Form	Liquid
Film Finish	Clear
Specific Gravity @25°C	0.99 ± 0.02
B4 Cup Viscosity	>12 Seconds
Theoretical Coverage*	4 to 6 m ² / Kg.
Drying Time @ 30°C	2 to 4 hours

*Coverage is approximate and actual coverage depends on the site conditions and substrate porosity at the time of application. We recommend to carry site trial to establish actual coverage of material.

APPLICATION INSTRUCTIONS

TIKI CURIT WB should be applied on matt dry and stripped concrete surface immediately after the disappearance of water sheen or visible surface water from the concrete surface.

Never apply **TIKI CURIT WB** when standing water is still present on concrete.

If the concrete exhibits dry spots on its surface in some areas, in such areas, it is recommended to make the surface wet by spraying water before application of **TIKI CURIT WB**.

Apply **TIKI CURIT WB** by knapsack sprayer or conventional sprayer used in pest control or horticulture industry uniformly covering the entire surface. The movement of spray nozzle back & forth during application ensures even coverage.

CLEANING

Immediately after application, use water for cleaning application tools.

SUPPLY

TIKI CURIT WB is supplied in 20 Kg. and 200 Kg. pack sizes.

STORAGE

TIKI CURIT WB must be stored above 5°C. Store under the shed & protect from extremes of temperature, heat, direct sunlight. The shelf life is 12 months in sealed unopened container.

SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage. **TIKI CURIT WB** is non-toxic and non-flammable. Avoid contact with skin, eyes, mouth and food. For further detail, refer to Material Safety Data Sheet.

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TIKITAR DANOSA (INDIA) PRIVATE LIMITED

Tiki Tar Estate, Village Road, Bhandup (W), Mumbai - 400 078,
Maharashtra, India. T: +91 22 4126 6699
E: info@tikidan.in | W: www.tikidan.in



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