

## Acrylic Based Concrete Curing Compound

### DESCRIPTION

**TIKI CURIT AR** complies with ASTM C309, Type-1, Class-B standard as translucent acrylic based concrete curing compound.

**TIKI CURIT AR** is supplied as ready to use single component acrylic based concrete non-degrading curing, sealing and dustproofing compound which on drying forms clear non-yellowing moisture barrier film on the concrete surface, which prevents evaporation of water from concrete mix, reducing shrinkage cracks and enabling efficient hydration of cementitious materials.

### USES

**TIKI CURIT AR** 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, driveways, runways, bridge decks, industrial floor slabs, and others.

It is use to cure small patch repair works.

It is suitable in areas when subsequent renders, toppings, coloured concrete finishes or coatings are to be applied.

### PROPERTIES

Properties	Values
Colour	Translucent White
Form	Liquid
Film Finish	Clear
Specific Gravity @25°C	1.01 ± 0.05
pH	≥9
Adhesion to Concrete	≤2 mPa (No Concrete Failure)
Intercoat Adhesion	≤2 mPa (No Intercoat Failure)
Theoretical Coverage*	5 to 7 m <sup>2</sup> / Kg.
Drying Time @ 30°C	>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.

### ADVANTAGES

- Ensures high water retention of concrete mix and development of strength.
- Efficient curing of concrete and hydration of cementitious particles.
- 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.
- Helps to reduce / eliminate concrete dusting through good strength development.
- 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.

## APPLICATION PROCEDURE

### SURFACE PREPARATION

Generally no special surface preparation is required before the application of **TIKI CURIT AR**. However, ensure that concrete surfaces are clean and free from contamination such as dust, oil, grease, organic growth and release agents.

### APPLICATION INSTRUCTIONS

Gently stir **TIKI CURIT AR** immediately prior to use to ensure uniformity of the material as applied.

**TIKI CURIT AR** 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 AR** 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 AR**.

Apply **TIKI CURIT AR** 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.

### LIMITATION

Do not use **TIKI CURIT AR** in areas where it is exposed to rising / moving water during application or in areas where surfaces remain continuously damp.

Do not use as bond breaker for tilt-up construction.

Although the concrete surfaces treated with **TIKI CURIT AR** are compatible with subsequent finishes based on water based emulsion paints, cement renders, gypsum plasters, etc., it is always recommended to conduct a adhesion test on trial patch with subsequent finishes to determine absolute suitability.

Protect **TIKI CURIT AR** from rain or water until it dries hard.

Use of **TIKI CURIT AR** is not recommended for areas intended for heavy traffic or immersed conditions.

Do not thin the product with water or solvent.

## CLEANING

Immediately after application, use water for cleaning application tools.

## SUPPLY

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

## STORAGE

**TIKI CURIT AR** 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 AR** 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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