

# CURACOAT-R

## A RESIN BASED CONCRETE CURING COMPOUND

### DESCRIPTION

CURACOAT-R is a resin based curing compound that forms a curing membrane when applied over the concrete, which retains sufficient moisture in the concrete for effective, curing or hydration of cement.

### FEATURES

CURACOAT-R forms a film of resin over the surface of freshly placed concrete or render. The film enables the cement to hydrate more efficiently. It eliminates the causes of shrinkage cracking and produces high compressive strength concrete with a hardened surface. The cured film will disintegrate and flake off from the concrete surface, over a period of time depending upon the prevailing atmospheric conditions.

### STANDARDS

CURACOAT-R complies with ASTM C-309  
Type I class B.

### USES

It can be applied to any concrete surfaces either indoor or outdoor such as concrete roads, runways, concrete roofing, bridgework and prefabricated concrete elements where freshly placed concrete surface are to be protected against rapid drying due to direct sunlight and accelerated rate of evaporation.

### ADVANTAGES

CURACOAT-R provides labour saving, by ensuring that the fresh concrete is properly cured, without the use of ponding technique or the continuous wetting of water retaining materials stretched over the concrete surface.

### TYPICAL PROPERTIES

#### Appearance:

Turbid liquid, yellowish to light brown in colour.

#### Specific gravity:

Approx.  $0.88 \pm 0.02$  at 25°C.

#### Drying time:

Less than 4 hours in normal atmospheric conditions.

#### Flammability:

Flammable.

#### Final film appearance:

Clear, tackfree, water repellent film.

#### Shelf life:

Minimum 12 months in sealed original containers under recommended storage conditions.

### COVERAGE RATE

In order to achieve an effective curing, an application rate of 8 to 10 square meter per liter should be maintained depending on the type of substrate. In certain circumstances adequate curing can be achieved with an extended coverage rate.

### DIRECTIONS FOR USE

CURACOAT-R is supplied ready for use and should not be diluted with any other form of solvents. Stir well before use.

#### Method of application:

Apply CURACOAT-R preferably by spraying, as soon as possible after finishing fresh concrete. Apply an uniform continuous film over the surface.

If CURACOAT-R cannot be applied immediately after placing of concrete, the surface must be kept wet by a mist of water spray until CURACOAT-R is applied.

CURACOAT-R should not be sprayed onto concrete, which has obvious freestanding water on it.

### SAFETY PRECAUTIONS

- CURACOAT-R contains hydrocarbon solvents. Avoid open flame and sparks. Provide adequate ventilation while use.
- Avoid breathing vapour and mist.

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- Avoid splashing into eyes or prolonged contact with skin.
- In case of eye contact, flush eyes repeatedly with clean water and seek medical advice.
- It is advisable to use goggles and gloves while using CURACOAT-R.

### CLEANING OF TOOLS

Equipment should be cleaned properly with a suitable solvent, recommended white spirit.

### PACKAGING

CURACOAT-R is supplied in 205 liter Barells , 20 liter pails and 5 liter cans.

### STORAGE

- Store in sealed conventional containers, protected from extreme weather conditions.
- Stir well before use, if stored for along time.

#### TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

**Note :** The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

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