

Water based acrylic resinous curing compound for concrete surface

Description

Talrakcure® AR is supplied as a non staining, non- toxic acrylic resin based curing compound when applied to fresh concrete surfaces, forms an impermeable clear curing membrane and thus reducing the evaporation of water from the fresh mix and assists the curing of concrete.

Talrakcure® AR can also be used in areas of poor ventilation and further treatment can be done on Talrakcure® AR coated surface. As it is compatible with most of the finishes, does not need removal of membrane before coating/painting.

Features & Benefits

- Contributes to the enhancement of the early compressive strength of concrete by more than 10%
- Durable and easy to apply
- Cost effective
- Prevents evaporation of mixing water from concrete
- Reduces shrinkage and crazing cracks
- Suitable for treating vertical or horizontal surfaces which are to receive subsequent treatments
- Suitable for use in reservoirs and other water retaining structures
- Overcoatable
- Provides excellent resistance to water blushing efflorescence
- Good exterior weatherability

Primary Application

Talrakcure® AR is recommended for new and granolithic paving and other structural concrete members, fast drying and high wind blowing areas.

Applications include:

- In-situ and pre-cast concrete
- Industrial Floors
- Pavements
- Concrete surfaces requiring overcoats

Technical properties

Appearance: White liquid, cures to form a clear membrane

Specific Gravity: 1.02 ± 0.02

Viscosity: 14secs in B4 cup

Application Instruction

Surface preparation

The concrete surface shall be cleaned to remove any traces of shuttering oil/grease.

Talrakcure® AR should be applied as quickly as practicable on fresh concrete. Spray water if the surface is dry. Ensure there is no free water / bleed water on the surface at the time of application of curing compound.

Application

Stir well in the container supplied before using the material for the application. Talrakcure® AR can be applied using roller, paint brush or low pressure sprayer.

Brush application

The material should be applied in two coats in vertical and horizontal direction to ensure even application without any gaps/brush marks.

Roller application

Application shall be in two coats when applied using roller. Movement of roller shall be top to bottom and then in the reverse direction in the same path without lifting the roller.

Sprayer application

Talrakcure® AR curing aid should be spray applied with the nozzle of the sprayer held approximately at 450mm from the concrete surface and should be passed back and forth to ensure complete and even coverage. The pump pressure should be maintained at a level to produce a fine spray ensuring complete coverage of the surface. Rate of application depends on requirements but is typically within the range of 200 to 285 ml/m². A trial on a small area to ensure proper application and nozzle size is recommended.

Cleaning

Tools and equipment can be cleaned with water immediately after use. If the product is allowed to dry on the tools, solvent may be used to clean.

Parameters	Result	Test Method	Requirement as per ASTM C309-19
Day light reflectance (%)	70	ASTM E1347-06 (RA - 2020)	Minimum 60%
Water Loss(mass/loss) (kg/m ²)	0.45	ASTM C156-02	Maximum 0.55
Relative Density	1.018	IS 9103-1999	-

Estimating Packaging

Talrakcure[®] AR is supplied in 20kg and 200kg barrel.

Coverage

The coverage is 4.5 - 5 m² per kg. Actual coverage should be ascertained for the given surface texture of the concrete by site trials.

Storage

Talrakcure[®] AR has a shelf life of 12 months if kept in dry store in original, unopened containers. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

Precautions

Health & Safety instructions

Talrakcure[®] AR should not come into contact with skin and eyes or be swallowed. Avoid prolonged inhalation of solvent vapours. Gloves, goggles and barrier creams should be used while handling the product. Adequate ventilation should be ensured and if working in enclosed areas, suitable breathing apparatus must be used. Accidental eye contamination occur with any of the above products, it should be washed well with plenty of water and medical advice should be sought. If swallowed medical attention should be sought immediately. Vomiting should not be induced.

Talrakcure



Talrak Construction Chemicals Pvt. Ltd.

An ISO 9001:2015 Certified Company

Works:

Plot No. 115-A, 1st Phase. Harohalli Industrial Area,
Kanakapura Taluka - 562 112. Ramanagar Dist.

www.talrak.in

Important note :

Talrak products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Talrak endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.