

White Sand Coat AC

Polymer-modified, Cementitious Protective Coating for concrete

Description

White Sand Coat AC is a two-component, polymer-modified, cementitious coating.

Component (A) is a selected blend of cementitious ingredients and dry-admixtures, and component (B) is a white concentrated emulsified polymer solution.

White Sand Coat AC is a protective coating acts as an effective barrier to carbonation and sulphates with high mechanical properties and abrasion resistance.

White Sand Coat AC also provide chloride protection on highway and costal structures and enhances the durability of reinforced concrete by reinstating effective cover to achieve the specific design life.

Uses and Key Functions

- Protect atmospherically exposed reinforced concrete.
- Protective coating for concrete foundations.
- Sidewalk coating for over spalled or eroded concrete.
- Apartment/condominium residential walkways.
- Very low permeability, stucco-like exterior wall coating.
- For application over concrete, approved insulation or existing stucco.
- Resurfacing and restoration coating for all kinds of masonry.
- Skid resistant floor and deck applications.
- Traffic surface for concrete balcony decks.

Features and Advantages

- Excellent bond strength.
- Water repellent.
- Gives even appearance to patchy concrete.
- Effective barrier to carbonation and chlorides.
- Excellent consistency and easy application.
- good abrasion resistance.
- Excellent workability.

Product Working Properties

Type	Polymer-modified cementitious protective coating
Color	Grey
Mix Ratio	Factory proportioned
Wet Density	1.6 kg/l approx
Pot Life	2 hours
Bond Strength	≥ 2.8 MPa
Chloride content	Nil
Application Temperature	5 – 40 C

WHITE SAND

Construction Chemicals

Construct your dream !

Directions for Use

Substrate Preparation

All surfaces must be clean, sound and free from any loosely adhering particles. Cement laitance must be removed. Wire brush, sand- or water-blast or grinding may be used to clean the substrate. depending on ambient climate. Concrete substrates must be at least 3 - 4 weeks old. Pre-wet the substrate and allow surface water to dissipate before application.

Mixing

Pour the concentrated liquid in a clean suitable mixing container. Add cementitious powder material slowly to the liquid during mixing using slow speed electric mixer. Mix for 2 – 4 minutes to obtain a homogeneous, smooth, and free of lumps mixture. Depending on the application technique, additional 0.25 – 0.5 liters of water may be added to adjust consistency.

Application

Mixed White Sand Coat AC is applied to the prepared surface with a high-quality stiff brushes, rollers, or spray equipment. Two coats are recommended for obtaining the maximum performance. And the recommended thickness is 400 microns per coat.

Cleaning

White Sand Coat AC should be removed from tools and equipment immediately after use and before initial cure with clean water. Hardened material can only be removed mechanically.

Packaging

White Sand Coat AC (Powder): 20 kg bags.
White Sand Coat AC (Liquid): 7 liters barrels.

Yield and Coverage

Coverage of 27 kg pack of White Sand Coat AC when applied in two coats at a thickness of 800 microns:
Spray applied: 21 m².
Brush applied: 19 m².
These above quantities are approximate and are given for estimating purposes only.

Storage and Shelf Life

The original sealed packaging of White Sand Coat AC has a shelf life of 12 months when stored in a dry, shaded place and good warehouse conditions, below 35 C.

Health and Safety

It is highly recommended to use suitable protective gloves and goggles during handling and application.

Avoid unnecessary direct contact of skin or eyes to the material.

Accidental contact of White Sand Coat AC to the skin should be washed off immediately with soap and clean water.

Eye Irritation or contact should be washed off immediately with copious amount of clean cold water.

For prolonged irritation, seek medical advice.

White Sand Coat AC two components are a non-flammable and not classified as a hazardous material under current legislations.

Do not dispose the material into water or soil.

For the sound and valid disposal, consult and follow the related local regulations.

White Sand Product Quality

Ensuring the achievement of customers' requirements and conformance to national and international standards, all WHITE SAND products are developed and manufactured under the base of a highly quality-oriented Product Development processes, and an independently standardized Quality Management System

Technical Support

WHITE SAND provides assistance and technical support to its customers, consultations and technical guidance for many different applications in construction chemicals. Waterproofing systems and protective coatings.

Tile adhesives and tile grouts selection. Concrete repair and restoration systems.

Additional White Sand Products

WHITE SAND produces a wide range of high-quality construction chemicals and specialty products Including following product groups:

- Adhesives and Tiling Systems.
- Surface Treatments and Primers.
- Concrete Repairs and Grouts.
- Waterproofing Systems.
- Finishing Systems.
- Industrial Flooring Systems.
- Plasters and Renders.
- Cement Modifiers and Mortar Admixtures.
- Protective Coatings and Linings.

Disclaimer

The information given here is based on the best of our knowledge, good faith, experience and laboratory based results and therefore the results will vary depending on the real time application. Also, the values indicated in this Data Sheet here are subject to $\pm 10\%$ variance due to multiple factors. The performance of our Product depends on the workmanship/quality of application job at the site. Hence White Sand Company for Industry is not responsible for any sort of claims/disputes arising out of any negative results by using our ranges of products. White Sand Company for Industry is not held responsible for use of this product for applications other than specified and/or adopting any faulty application/curing methodologies. It is the user's responsibility to have through this Technical Data Sheet prior to applying our products and to ensure with White Sand Company for Industry that any product information is still prevailing at the time of application. Also the user must be sure that the product is suitable for the use intended and also applied it as specified while taking care of all precautionary measures. While all the products comply with the properties shown on current technical data sheets/brochures, White Sand Company for Industry does not warrant or guarantee the products' performance as it doesn't have any control over factors adopted during its actual application.



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