

WHITE SAND WR 50

Hydrophobic surface Treatment for Concrete and Masonry

Description

WHITE SAND WR 50 is a low viscosity, water-base, penetrating silane-siloxane base impregnating treatment for concrete and masonry.

WHITE SAND WR 50 is chemically formulated to penetrate into porous surfaces, as concrete and brickwork, and then reacts to form a protective hydrophobic lining to the pores.

Uses and Key Functions

WHITE SAND WR 50 is used as hydrophobic surface treatment to horizontal and vertical surfaces such as:

- All kinds of concrete.
- Mineral-based natural and artificial stone.
- Cement fibreboards.
- Brickwork.
- Mortar joints and mineral paints.
- Precast, stucco, and decorative concrete.

Features and Advantages

- Excellent water repellent characteristics.
- Prevent ingress of water-borne chlorides and sulphates.
- Water vapor per permeability unaffected.
- Allows concrete and masonry to breath.
- Protects surfaces from discoloration and pollution.
- Ready to use, single component.
- No change in surface texture or appearance.

Product Working Properties

Type	Acrylic-based Roof Protective Coating
Appearance	White
Specific gravity	1.3 kg/l (at 23 C)

Directions for Use

Substrate Preparation

Surface must be structurally sound, clean, dry and free of dust, dirt, paint, efflorescence, laitance and other contaminants that will prevent the proper penetration of WHITE SAND WR 50 .

WHITE SAND WR 50 can be used direct from the drum, no mixing is required, but drums should be shaken or stirred before use.

A dry substrate is required for proper penetration of the material. Prior to application joints or cracks must be properly sealed or filled. If acid is used for cleaning, neutralize completely before application of WHITE SAND WR 50 .

Application

Low pressure airless spray equipment is the preferred method of application, although for small areas, application with brush or rollers may be also acceptable.

On vertical surfaces, WHITE SAND WR 50 should be flooded on starting at the bottom, working steadily upwards to ensure uniform product distribution.

Apply in continuous spray until run-down of approximately 30 cm is achieved.

For dense surfaces, one saturated coat of WHITE SAND WR 50 is normally required.

For porous surfaces, two or more saturation coats may be required, applied using a “wet on wet” technique.

Apply a test patch to evaluate surface appearance and effectiveness of the coverage rate.

Packaging

20 Liters Barrels.

Coverage

Coverage rate is 3.0 – 6.0 m²/liter/coat.

As coverage rates vary greatly with the porosity of the substrate, a test area is recommended to determine actual material consumption.

Shelf Life and Storage

The original packaging of WHITE SAND WR 50 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 WR 50 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 WR 50 is 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.

