

Technical Data Sheet

White Sand Ultraproof

High-efficiency Multipurpose Bonding Agent, Admixture, and Thermal Insulation Enhancement

Product Description

White Sand Ultraproof is a special emulsion-based compound, formulated for use as a bonding agent, admixture, and mortar additive to enhance thermal insulation.

White Sand Ultraproof formulation is high in solids and can be diluted at various ratios depending on the required application. This means that White Sand Ultraproof is very economical for various applications.

Can be used for both internal and external applications.

Uses and Key Functions

- Multipurpose usage.
- It can be used as a bonding agent & admixture
- Enhances bonding of plaster, sand/cement screed, render, etc.
- Improves hydration & curing when added to cement-based mixes.
- Improves compression strength & abrasion resistance.
- It adheres well to various construction materials, including concrete, stone, etc.
- Ensure brighter & long-lasting color to architectural finishes.
- Reduces shrinkage & cracks.

Product Technical Data

Type	Formulated copolymer Emulsion
Appearance	Milky white viscous liquid
Density @ 25 C	1.04 kg/l Approx.
Solid Content	48.0 ± 1.0 %
pH @ 25 C	5 - 7
VOC Weight%	0.1 Approx.

Directions for Use

Substrate Preparation

Clean the surface well and free it from loose materials. Eliminate inconsistent parts, varnishes, grease, laitance, and algae through sandblasting or brushing before applying White Sand Ultraproof.

Application

White Sand Ultraproof is a highly concentrated material. Make sure that the correct dilution ratio is followed to avoid a stiff & fast drying mixture. Follow the dilution ratio required for each type of premixed mortar.

For Thermal Insulation Enhancement

Dilute 1 part White Sand Ultraproof with 6 parts water. Mix thoroughly to obtain uniform consistency liquid. Add the diluted White Sand Ultraproof to pre-blended sand/cement plaster, mortar, or other dry mixes. Mix for 3-4 min using a mechanical mixer at low speed. Let the mixture stand for 5 min and mix again briefly to achieve a homogeneous lump-free mixture.

As Admixture

Dilute 1 part White Sand Ultraproof with 7 parts water. Mix thoroughly to obtain uniform consistency liquid. Add the diluted White Sand Ultraproof to pre-blended sand/cement plaster, mortar, or other dry mixes. Mix for 3-4 min using a mechanical mixer at low speed. Let the mixture stand for 5 min and mix again briefly to achieve a homogeneous lump-free mixture.

As Bonding Agent

Dilute 1 part White Sand Ultraproof with 3 parts water. Mix thoroughly to obtain uniform consistency liquid. Apply using a brush or spray directly onto the substrate. If using a hand pump, spray at a rate of 15 m²/liter. While the bonding agent is still wet, immediately apply plaster, render, mortars, etc.

Note: White Sand Ultraproof should remain tacky when applying top coat finishes.

Cleaning

Clean tools with water before hardening. Hardened material can only be removed mechanically.

Packaging

White Sand Ultraproof is supplied in 20 Liters.

Shelf Life and Storage

White Sand Ultraproof has a minimum 12-month shelf life when stored in the original sealed container, in good warehouse conditions away from direct sunlight in ambient temperatures below 35 C.

Safety Precautions

White Sand Ultraproof is a non-flammable material. White Sand Ultraproof is not classified as a hazardous material under current legislation. Unnecessary contact with the product is to be avoided and suitable gloves and goggles must be worn. Accidental contact of White Sand Ultraproof to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice.

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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 highly quality-oriented Product Development processes, and an independently standardized Quality Management System.

Technical Support

WHITE SAND assists its customers and gives site support, consultations, and technical advice on concrete repair, surface preparation and treatment, tile adhesive and tile grout selection, and tile installation techniques.

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
- Waterproofing and Protective Coating Systems
- Concrete Repair & Restoration Systems
- Finishing & Paints Systems
- Admixtures for Mortar and Concrete
- Surface Treatments and Primers
- Industrial Flooring Systems
- Engineering Grouts and Anchoring Systems
- Resinous Protective Coating and Lining Systems

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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