

Technical Data Sheet

White Sand Premium Exterior Emulsion

Product Description

A high-quality water borne matt exterior paint, based on pure acrylic emulsion. It provides excellent weather resistance and outdoor durability. Also has low dirt pick-up and excellent alkali, algae and fungus resistance, plus excellent coverage for decorating and for superior protection against all-weather elements.

Characteristics

- Excellent resistance to UV and weather conditions.
- Excellent adhesion.
- Resistance to dirt pick up .
- Excellent color retention.
- High smooth and leveling property.
- Resistance to bacteria inside can.
- Very Low VOC.
- Free from formaldehyde, ammonia and APEOs.

Recommended Use

Recommended to use for exterior applications on concrete, cement, and brick surfaces, for educational institutions, residential, commercial and industrial buildings.

Also it can be applied over textures.

| | | | |
|------------------------------------|--------------------------------------|--|--------------|
| • Finish | Matt. | | |
| • Color | White & other colors as per Cat. | | |
| • Specific Gravity | 1.450±.03 | | |
| • Viscosity | 114±5 KU | | |
| • Volume Solid | 45 %. | | |
| • D F T | 30-60 µ each coat. | | |
| • Theoretical Spreading Rate* | 13.3 m ² /Ltr at DFT 30 µ | | |
| • Hiding | Above 95 % @ WFT 100 µ. | D2805 -96a | |
| • Water Resistance | Pass | ASTM D870 | |
| • Alkali Resistance | Pass | ASTM D1308 | |
| • Salt Resistance | Pass | ASTM D1308 | |
| • Adhesion | Pass, | ASTM D3359 -2 | |
| • Flexibility | Pass, 3 mm. Diameter, | ASTM D522 | |
| • Freeze-Thaw Stability | Pass, 3 cycles, | ASTM D2243. | |
| • Heater Stability | Pass, 30 days at 52°C. | ASTM D1849 | |
| • VOC | <1 g/L | ASTM D2369 | METS - UAE |
| • VOC Emission After Application | Pass | Leed Requirements - Ver.4 | METS - UAE |
| • Artificial Weathering Resistance | Pass 2500 hrs | BS EN 1062-11:2002 / ISO 11507-2007 | Wimpey - UAE |
| • MPI | Meets MPI standard # 10. | | |

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Surface Preparation

- All new surfaces shall be cured at least 28 days prior to application of the primer.
- Remove old paints completely from previously painted surfaces .
- The substrate should have sufficient strength and free from unsounded areas, pug holes, protrusions and pops.
- Make sure that the surface is clean, dry, free from dust, oil, grease, salt and mold.
- Fill the holes and cracks with suitable fillers such as "White sand FC".

Application Guide

1. The required temperature during application, must not be less than 5°C; the surface moisture should not exceed 8% and the relative humidity at work place should not exceed 70%.
2. pH of surface should not exceed 9.
3. Paint should be stirred carefully before use.
4. A suitable quantity of "Tap Water" can be added to get reasonable viscosity for application.
5. Do not apply on wet and moistened surfaces until completely dry.
6. Do not apply the next coat unless the previous one is fully dry. Minimum recoating interval time should be followed.
7. Adequate ventilation should be provided during application and drying.

Application Tools

- Airless spray:
- Roller: Soft and smooth roller
- Brush: Suitable type

Thinner

Tap water.

Thinning Ratio

- (0 – 10) % by volume for airless spray.
 - (10 – 15) % by volume for roller and brush.
- All above depends on the weather and application conditions.

Painting System

- Apply one coat of "White sand Prime" ,depending on the surface nature and let it to dry.
- Apply two coats of " White Sand premium Exterior Emulsion.

Drying Time

- Surface dry 30 minutes.
 - Hard dry 2 hours.
 - Recoating interval 4 hours (minimum)
 - Full cure: 7 days.
- All above results were tested @ 25°C.

Cleaning Tools

Tap water

Packing

- Gallon : 5 Kg.
- Drum: Base 16 Ltr (25 Kg).

Shelf Life & Storage

Shelf life : 24 months @ 25 °C.

Storage: The container should be kept in sealed, dry, cool, well -ventilated place and stored in accordance with national regulations.

Safety Precautions

Please read and follow the precautionary notices displayed on the container, and all caution statements on the MSDS of this product.

- Handle with care before and during use.
- During application of paint, contact of liquid paint with eyes, skin, inhalation of paint mist and paint vapour, should be strongly avoided.
- Recommended to use the product in well-ventilated area when applying the paint in insufficient ventilated areas, forced ventilation should be provided.
- Keep away from the reach of children.

For environmental safety: please donate the leftover paint and packaging to your local authorized institution for usage or recycling purpose. Note: Wastes and empty containers should be disposed of in accordance with local regulations made under the Control of Pollution Act and the Environmental Protection Act.

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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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