

Technical Data Sheet

WHITE SAND MUTHAPT

Soil stabilizing and dust controlling acrylic based emulsion, suitable for all types of soil, sand

DESCRIPTION

White sand Muthapt is a polymer-based dispersion specifically designed to stabilize various types of soil, control dust and prevent soil erosion. When applied to any soil, White sand Muthapt will penetrate deep into the soil infusing with the soil particles, and form a protective layer that is water resistant.

White sand Muthapt imparts remarkable stabilization and durability properties to the soil, rendering it usable and suitable for pedestrian and vehicular traffic.

It is economical, non-toxic and environmentally sound.

APPLICATIONS

The concentrated product is diluted with water and applied either by mechanical soil infusion or by spraying application, to create a sturdy and flexible topical sealant, or a rigid and stable sub-base terrain.

Typical application areas include:

- Dust suppression and emission control.
- Slope erosion control.
- Path and trail stabilizer.
- Quarry areas.
- Aircraft runway stabilizers.
- Military bases.
- Construction sites.

ADVANTAGES

- Environmentally friendly.
- Better road vision.
- Longer lasting roads.
- Low maintenance.
- Water resistant.
- Simple, easy and fast application.
- Long term cost effectiveness.
- Odour free.

METHOD OF USE

DILUTION

The concentrated product must first be diluted with water before application. It is recommended to add White sand Muthapt to the dilution water, and allow 10 minutes for proper diffusion of the blend.

The ratio of dilution depends on the application type, soil properties and intended usage. Refer to the supplied ratio table for recommended dilution ratios.

TECHNICAL PROPERTIES @ 250C

Colour:	White, colourless when cured
Brookfield viscosity: (spindle 3, 20 rpm)	10 - 40 poise
Density:	1.05 ± 0.02 g/cm ³
Solid content:	55 - 60%
VOC:	< 20 g/ltr

APPLICATION

White sand Muthapt should be applied to relatively dry soil, and only when there is no frost or rain forecast for 24 hours following the installation.

First dilute the concentrated product according to the specified ratios depending on the usage. It is recommended to add White sand Muthapt to the dilution water and allow 10 minutes before applying for proper diffusion of the blend.

Use a tractor-mounted grader or other suitable equipment based on the size of the area and soil hardness. After plowing, apply White sand Muthapt directly onto the loose soil to allow for infusion. Use appropriate compaction equipment based on the soil type and area size. Apply the second coat when the first coat has fully cured and bound to the soil.

This typically takes 24 hours, but may take longer depending on prevalent weather conditions. It is recommended to apply the product using a pressurized system.

CLEANING

All equipment used must be clean and free from material residue.

PACKAGING

Liquid is available in 4 litre pails 20 litre pails and 200 litre drums.

1000 litre IBC bulks can be easily loaded on the back of trucks and attached to hoses for direct application or can be poured into water trucks.

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STORAGE

Storage of unopened container should be in a clean area, above 10oC and away from direct sunlight. Do not allow the product to freeze.

Avoid long term storage at temperatures in excess of 45oC.

If these conditions are exceeded, White sand Technical Department should be contacted for advice.

SHELF LIFE

Liquid is stable for one year in its original packaging. Liquid is stable for one year after opening the container if stored properly between 5 - 25oC in a closed container. Any deviation from these conditions will reduce the shelf life.

MORE FROM DON CONSTRUCTION PRODUCTS

A wide range of construction chemical products are manufactured by white sand which include:

Concrete admixtures.

- Surface treatments
- Grouts and anchors.
- Concrete repair.
- Flooring systems.
- Protective coatings.
- Sealants.
- Waterproofing.
- Adhesives.
- Tile adhesives and grouts.
- Building products.
- Structural strengthening.

TABLE OF DILUTION AND COVERAGE RATES FOR TOPICAL AND INFUSED APPLICATIONS

INTENDED PRODUCT USE:	DILUTION PARTS CONCENTRATE TO WATER	MINIMUM APPLICATION RATE	MINIMUM ADVISED INFUSION DEPTH
Dust suppressant - No traffic	1:9	0.5 ltr/m ²	5 mm
Dust suppressant - With traffic	1:6	1 ltr/m ²	20 mm
Unpaved trails and parking lot	1:3	5 ltr/m ²	150 mm
Helicopter pad and aircraft runway	1:3	7 ltr/m ²	200 mm
Paths	1:3	1.5 ltr/m ²	50 mm
Slope erosion control	1:6	1.5 ltr/m ²	50 mm
Unpaved military runway	1:3	10 ltr/m ²	250 mm
Heavy duty haul road	1:3	10 ltr/m ²	250 mm
Roadway - Light duty	1:3	7 ltr/m ²	200 mm

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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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