BUILDING TRUST

PRODUCT DATA SHEET

Sika® Stabilizer-232 DS

DUST SUPPRESSANT AND SOIL STABILIZER

DESCRIPTION

Sika® Stabilizer-232 DS is a high-performance dust suppressant and soil stabilizer based on polymers. The surface of the treated material solidifies, drastically reducing dust emissions and creating a compact, resistant, and durable surface.
Suitable for unpaved roads, improves terrain stability and mechanical properties.
Easy to apply, long-lasting, and environmentally friendly.

USES

Sika® Stabilizer-232 DS has a diverse range of dust binding applications, and its use is recommended but not limited to the following situations:
- Dirt and gravel roads
- Unpaved roads
- Unimproved roads
- In rural and desert regions
- Cases of need for stabilization of the road/ slope prior to the final road paving (concrete or asphalt)

Sika® Stabilizer-232 DS penetrates and solidifies the surface of the treated material.

Maximum effectiveness is achieved after the material has dried according to environmental conditions (temperature, humidity) and depending on the intended use: as a dust suppressant or soil stabilizer.

FEATURES

Sika® Stabilizer-232 DS is specifically designed to create a compact polymer layer on loose substrates such as soil, gravel, and various types of ground, to prevent dust losses and emissions, especially on unpaved roads and areas with high wind and/or dry conditions.
By reducing dust emissions, it enhances worker health protection and operational safety.
Sika® Stabilizer-232 DS can be applied in any dust prone area.
Sika® Stabilizer-232 DS can also be applied to unpaved roads for stabilization and enhancement of mechanical properties of the terrain, used in different thickness layers.

PRODUCT INFORMATION

Composition	Aqueous polymer dispersion
Packaging	1000L Barrel
Appearance and colour	brown liquid
Shelf life	12 months minimum if stored properly in original sealed packaging.
Storage conditions	Store in cool and dry conditions in unopened, undamaged and sealed original packaging at temperatures between +5°C and +45°C. Protect from direct sunlight, heat and moisture.
Density	1.06 ± 0.03
pH-Value	5.2 ± 1

Recommended dosage

The recommended dosage of Sika® Stabilizer-232 DS will be:
- As a dust suppressor, dilute in water: 1:8 to 1:10
- As a soil stabilizer, dilute in water: 1:6 to 1:8
- For maintenance, dilute in water: 1:12 to 1:16

The quantity of Sika® Stabilizer-232 DS to be used depends mainly on the road type, soil conditions (humidity, …), type of application (with or without scarification and scarification protocol applied), the excavation equipment, environment and traffic conditions.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Prior to the application of Sika® Stabilizer-232 DS, it is recommended to moisten the soil with approximately 0.5 to 1 L/m². The saturation treatment, depending on its use, will be as follows:
- As a dust suppressor: Saturate the surface layer with water at approximately 0.5 to 1 L/m² until reaching the optimal moisture content.
- As a soil stabilizer: Loosen the soil using mechanical equipment or rakes to a thickness of +5 cm compared to the final required thickness for stabilization. For example, if a stabilization thickness of 20 cm is required, loosen the soil to a depth of 25 cm (+5 cm). Following this, saturate all the new loose material with approximately 0.5 to 1 L/m² of water or until reaching the optimal moisture content.
- As a visual and manual inspection, the optimal moisture content is achieved when it is possible to form soil balls in the hand that do not release water when squeezed but leave a trace of the footprint.

There are 2 Methods that we suggest for application of the solution of the Sika® Stabilizer-232 DS:
Method 1 – Full protocol
- Start with scarification of the soil up to the desired depth of penetration,
- Watering the soil with solution of Sika® Stabilizer-232 DS,
- Grading (mixing the soil that was watered) and level the floor
- Watering the floor again with solution of Sika® Stabilizer-232 DS,
- Compact the soil.
- Third and last watering with solution of Sika® Stabilizer-232 DS.

Method 2 – Direct spraying
- Application direct of the Sika® Stabilizer-232 DS solution apply the product directly to the floor without going through the scarification step.

In this case, it is sufficient to prepare the pumped solution in a tanker truck and to water the track to be treated three (3) times in a row or until to find the result needed.

APPLICATION METHOD / TOOLS

The product concentration and the range of application (volume of diluted solution per m² of treated surface or m³ of treated material) can be adjusted upon request and according to the commercial or operational needs of the customer. The product is suitable for use with any spraying equipment.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product’s suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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