

PRODUCT DATA SHEET

Sika® Stabilizer-234 DS

Dust suppressant and soil stabilizer

DESCRIPTION

Sika® Stabilizer-234 DS is an advanced polymer-based dust control and soil stabilizer.

Sika® Stabilizer-234 DS is a complementary product in the Sika® Stabilizer DS range, designed for efficient dust suppression and soil stabilization on unpaved terrains.

It forms a durable, compact layer on treated surfaces, significantly reducing dust emissions and improving ground cohesion.

Ideal for rural roads, construction sites, and areas exposed to wind or heavy traffic.

USES

Sika® Stabilizer-234 DS is suitable for:

- Temporary or permanent unpaved roads
- Mining and industrial access routes
- Agricultural paths and logistics zones
- Pre-treatment before asphalt or concrete paving
- Areas requiring dust control and surface stabilization

FEATURES

- Creates a good, dust-resistant surface layer
- Enhances soil stability and load-bearing capacity
- Reduces maintenance and water usage
- Easy to apply with standard spraying equipment
- Long-lasting and environmentally responsible

PRODUCT INFORMATION

Composition	Aqueous polymer dispersion
Packaging	1,000lit IBC
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

APPLICATION INFORMATION

Recommended dosage	The recommended dilution ratios for Sika® Stabilizer-234 DS vary depending on the application: <ul style="list-style-type: none">▪ Dust control: dilute in water at a ratio of 1:7 to 1:10▪ Soil stabilizer: dilute in water at a ratio of 1:5 to 1:8▪ Routine maintenance: dilute in water at a ratio of 1:10 to 1:16
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The exact quantity required depends on several factors, including:

- Type and condition of the terrain (e.g., moisture content, compaction)
- Application method (with or without surface preparation or scarification)
- Equipment used for mixing and application
- Environmental conditions (temperature, wind, humidity)
- Expected traffic load and usage intensity

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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Before applying Sika® Stabilizer-234 DS, make sure soil is humid. In case of doubt, lightly moisten the soil with **0.5 to 1 L/m²** of water to reach the ideal moisture level.

- **For dust suppression:** Spray the surface with **0.5 to 1 L/m²** of water until the soil reaches optimal moisture.
- **For soil stabilization:** Loosen the soil to a depth **5 cm** deeper than the final required thickness (e.g., loosen to 25 cm for a 20 cm stabilized layer). Then, moisten the loosened soil with **0.5 to 1 L/m²** of water, or until it reaches the right moisture level.

To check moisture: the soil should form a ball in your hand without dripping water, but it should leave a slight imprint when pressed.

APPLICATION METHOD / TOOLS

- Compatible Equipment:

Sika® Stabilizer-234 DS can be applied using any standard spraying equipment, such as tanker trucks, agricultural sprayers, or pressure sprayers.

- Adjustable Dosage:

The concentration of the product and the application rate (volume of diluted solution per m² or per m³ of material) can be customized based on:

- Project requirements
- Soil type and condition
- Environmental factors
- Operational or commercial needs

Custom application protocols can be developed upon request to suit specific site conditions or performance goals

APPLICATION

You can apply Sika® Stabilizer-234 DS using one of two methods:

Method 1 – Full Protocol

1. **Scarify** the soil to the desired depth.
2. **Apply** the diluted Sika® Stabilizer-234 DS solution evenly.
3. **Mix and level** the treated soil using grading equipment.
4. **Apply a second layer** of the solution to the leveled surface. Apply the second layer when you realise 1st layer was absorbed
5. **Compact** the soil thoroughly (ex. Cilinder).
6. **Finish** with a third application of the solution for surface sealing.

Method 2 – Direct Surface Spraying

For dust control or light stabilization:

- Apply the diluted solution **directly to the surface** without scarifying.
- Use a tanker truck or sprayer to apply the solution **three times in succession**, or until the desired result is achieved.
- Note that the waiting time between each layer should be the time needed for the previous layer be absorbed by the soil.

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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PRODUCT DATA SHEET

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