

COOL BARRIER

GRIP DS 240



ANOTHER WAY TO INCREASE THE STABILITY OF SOIL

Product description

GRIP Dry Soil 240 It is an aqueous solution of a special type of methyl siliconate and is used in diluted form for the impregnation of mineral construction materials to make them water-repellent. GRIP Dry Soil 240 develops its water-repellent properties by reaction with atmospheric carbon dioxide (CO₂). The active substance formed from the silicone masonry water repellent is polymethylsilicic acid.

Typical use

Sub Base and Sub Grades of Paved Roads, Hiking and Golf Cart Paths, Haul Roads. GRIP Dry Soil 240 is normally used in combination with Abolin's special powder polymer from the Cool Barrier Grip range.

Mode of Action

GRIP Dry Soil 240 act as molecular umbrellas to protect soil against moisture while still being vapor permeable.

Effect

Water in its liquid form is unable to penetrate the hydrophobized soil and keeps it permanently dry.

Application Benefits

- Reduces Freeze/Thaw Problems
- Use of Existing on Site Soil
- Reduce Road Maintenance
- Maintains Dry Strength Under Wet Conditions

Mode of Application

Mix in Place Application

Reclaimer

Farm Equipment (e.g. disk tiller) or Stationary Mix in Application

Stationary Drum Mixer

Spread Treated Soil at Site Followed by Compaction

Road Construction / Renovation Procedure

- Prepare for additive application by ripping the old road surface (un-paved or paved roads).
- Apply the liquid or solid Abolin additive by spraying or dusting it onto the sub grade.
- Distribute the additive treated sub grade by mixing it into the soil at the recommended depth.
- Finish the road by grading and compressing. Apply seal coat or asphalt layer if desired.



Application Rates

For typically 15 - 40 cm depths, between 2 - 8 L of diluted GRIP DS 240 dry soil for 1 m³ depending on:

- Soil Type
- Traffic Conditions
- Climate Conditions

Combined application with Abolin Dry Powder Polymers:

When using GRIP DS 240 in combination with dry powder polymers such as Grip N 510 by Abolin, please take under consideration an application rate of the DPP product as follows: For nominal 10 cm depths, typically between 100 - 400 L of dispersion (or 50 - 200 kg DPP) per for 100 m².

Dilution

GRIP DS 240 is supplied as a concentrate and is diluted with water before use. Ordinary tap water may be used. It is best to add the SILRES® BS 16 masonry water repellent to the water under vigorous stirring. Before application in soil stabilisation works a dilution rate of 50% is a good starting point. Preliminary tests are always required for the determination of the correct dilution ratio.

Storage

GRIP DS 240 must be stored in the tightly closed original container. The "Best use before end" date of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons. GRIP DS 240 should be stored in stainless steel drums, plastic or glass containers. Tinplate, aluminium or galvanized or lacquered containers are not suitable. If crystals are formed due to too low storage temperatures, these will redissolve when the product is allowed to warm up. The product must then be stirred thoroughly.

Caution, Health and Safety

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Abolin's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible abolin representative for approval before commencing the work. Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Disclaimer

The information in this document is given to the best of Abolin's knowledge, based on laboratory testing and practical experience. Abolin's products are considered as semi-finished goods and as such, products are often used under conditions beyond Abolin's control. Abolin cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Abolin reserves the right to change the given data without further notice. Users should always consult Abolin for specific guidance on the general suitability of this product for their needs and specific application practices. If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.

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