

Part #SS703

**DESCRIPTION:** GeoTech™ Soil Stabilizer is a low viscosity, polyurethane resin designed to stabilize sandy soil when medium or high strength is required. When mixed with catalyst and injected, it migrates through loose soil and into below-grade voids. As it comes into contact with moisture in the soil, GeoTech™ Soil Stabilizer reacts and forms a non-expanding polyurethane that is resistant to most organic solvents, mild acids and bases, and micro-organisms. The polyurethane encapsulates loose soil, fills voids, and forms a solid, water-tight barrier.

**FEATURES & BENEFITS:**

- Contains no solvents
- Very low viscosity for good penetration
- Cure time controlled by catalyst ratio
- Encapsulates and strengthens loose soil
- Forms a water-tight barrier to stop water migration
- Good resistance to chemicals
- 1100 psi compressive strength in sand

**CHEMICAL PROPERTIES:**

|                                  | <b>Stabilizer</b> | <b>Activator</b> |
|----------------------------------|-------------------|------------------|
| Specific Gravity (grams/cc)      | 1.114             | 0.92             |
| Viscosity, cps                   | 25                | 25               |
| Odor                             | mild              | amine            |
| Color                            | dark brown        | yellow           |
| Shelf Life - Unopened Containers | 12 months         | 12 months        |

**TYPICAL REACTION:**

| <b>Weight % Activator</b> | <b>Gel @ 50°F (10° C)</b> | <b>Gel @ 68°F (20° C)</b> | <b>Gel @ 86°F (30° C)</b> |
|---------------------------|---------------------------|---------------------------|---------------------------|
| .5                        | 15:00                     | 10:50                     | 6:15                      |
| 1.0                       | 7:00                      | 4:50                      | 3:30                      |
| 1.5                       | 4:00                      | 2:30                      | 2:15                      |

\*The above values are average values obtained from laboratory experiments and should serve only as guide lines.

**USE OF CHEMICALS:** Activator MUST be agitated (shaken) before use. Flush equipment with acetone before and after use to clean equipment and remove moisture. If work area temperatures are low, heat the product to 60°F - 90°F (15.5°C - 32.2°C) to improve product performance. Do not use open flame as a heat source.

**HOW SUPPLIED:** GeoTech™ Soil Stabilizer packaged in a 55 gal. drum set – Part # SS703

**STORAGE:** Store chemicals between 60°F - 86°F (15.5°C - 30°C) in a dry atmosphere.

**SAFE HANDLING OF LIQUID COMPONENTS:** Use caution in removing bungs from the container. Loosen the small bung first and let any built up gas escape before completely removing. Avoid prolonged breathing of vapors. In case of chemical contact with eyes, flush with water for at least 15 minutes and get medical attention.

## GeoTech™ Soil Stabilizer (continued):

**CAUTION:** Polyurethane products manufactured or produced from this liquid system may present a serious fire hazard if improperly used or allowed to remain exposed or unprotected. The character and magnitude of any such hazard will depend on a broad range of factors which are controlled and influenced by the manufacturing and production process, by the mode of application or installation and by the function and usage of the particular product. *Any flammability rating contained in this literature is not intended to reflect hazards presented by this or any other material under actual fire conditions. These ratings are used solely to measure and describe the product's response to heat and flame under controlled laboratory conditions.* Each person, firm or corporation engaged in the manufacture, production, application, installation or use of any polyurethane product should carefully determine whether there is a potential fire hazard associated with such product in a specific usage, and utilize all appropriate precautionary and safety measures.

**SAFETY PRECAUTIONS: Health Considerations: Consult the Rhino Linings® Safety Data Sheets (SDS)**

Chemical systems require the use of proper safety equipment and procedures. Please follow the Rhino Linings® product SDS and Safety Manual for detailed information and handling guidelines. **For Your Protection:** The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Rhino Linings Corporation. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Rhino Linings Corporation will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors. Because of numerous factors affecting results, **Rhino Linings Corporation makes no warranty of any kind, express or implied**, other than that the material conforms to its applicable current Standard Specifications. Rhino Linings Corporation hereby disclaims any and all other warranties, including but not limited to those of merchantability or fitness for a particular purpose. No statements made herein may be construed as a representation or warranty. The liability of Rhino Linings Corporation for any claims arising from or sounding in breach of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.

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