

DESCRIPTION: GeoTech CC4SL is a closed-celled, water-blown polyurethane foam system designed for geotechnical applications including Slab lifting that require high compressive strength and low exothermic reaction temperatures. GeoTech CC4SL is applied as a liquid and then expands approximately 15x in seconds. GeoTech CC4SL utilizes advanced, proprietary chemistry that lowers the exothermic reaction temperature of the product during installation that prevents scorching and charring. GeoTech CC4SL has a reaction profile that allows for good flow and penetration of cracks and crevices below grade, followed by rapid cure to create stability for the concrete slab or foundation. In addition GeoTech CC4SL densifies and stabilizes loose packed soils and other substrates.

TYPICAL USES:

- Soil stabilization
- Geotechnical applications
- Slab Lifting

FEATURES & BENEFITS:

- Final product is inert and does not impact environment
- No ozone depleting substances, HFCs, PBDEs
- Extremely fast installation and cleanup
- Lightweight compared to alternative solutions
- Very precise lift adjustments to 0.125 inches
- Low odor during application and produces no toxic vapors after application

CHEMICAL PROPERTIES:

		Isocyanate (A)	Resin (B)
Specific Gravity (grams/cc)	ASTM D-1475	1.23	1.18
Viscosity (cps)	ASTM D-2196	200 – 250	750 – 1300
Mix Ratio, Parts per Volume		1	1
Cream Time (seconds) @ 77°F (25°C)		15 – 30	
Rise Time (seconds) @ 77°F (25°C)		50 – 80	
Shelf Life - Unopened Containers		6 months	6 months

TYPICAL PHYSICAL PROPERTIES:

	Test	Result
Density (nominal):	ASTM D-1622	4.0 lb/ft3 (67 kg/m3)
Tensile Strength (psi)	ASTM D-1623	145 typical
Compressive Strength (psi)	ASTM D-1621	70 typical
Closed-Cell Content (%)	ASTM D-2856	>96
Dimensional Stability (%)	ASTM D-2126	<2Δ

PROCESS TEMPERATURE AND ENVIRONMENT CONDITIONS: GeoTech CC4SL must be spray-applied using approved equipment. The system settings required to achieve quality spray foam application will vary depending on environmental and substrate conditions. The following recommended parameters will help ensure optimum foam quality.

Iso (A) & Resin (B) Components	Processing Pressure	Ambient Temperature
115 – 150° F (46.1 – 65.6° C)	900 – 1500 psi	20 – 105° F (-6.7 – 40.6° C)

PREPARATION: GeoTech CC4SL resin (B) does not require agitation. If necessary, pre-heat and/or recirculate resin (B) up to 100°F (40°C) without any degradation or loss of blowing agent.

APPLICATION INSTRUCTIONS: GeoTech CC4SL is installed by independent SPF contractors. It is recommended that building owners verify that the SPF insulation contractor maintains proper credentials, insurance, and licenses and is properly trained to safely install SPF insulation products. Contact your Rhino Linings Technical Representative to get approval for your specific applications.

GeoTech CC4SL should not be left exposed to sunlight, as UV light will rapidly degrade foam.

(continued)

GEOTECH™ CC4SL (continued):

SUBSTRATES: GeoTech CC4SL is chemically and physically compatible with all common building materials including electrical wiring, wood, metal, concrete, plastic (PVC), copper, vinyl, and glass.

HOW SUPPLIED: GeoTech CC4SL net weight per set is 1000 pounds (453.6 kg). A set of GeoTech CC4SL consists of one (1) 55 gallon (208 L) drum of 'A' component and one (1) 55 gallon (208 L) drum of 'B' component.

STORAGE: GeoTech CC4SL should be stored between 50 – 90° F (10 – 32.2° C) out of direct sunlight. Do not allow material to freeze.

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

This chemical system requires 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.

Read This Before You Buy
What You Should Know About R-values

The chart shows the R-value of this insulation. R means resistance to heat flow. The higher the R-value, the greater the insulating power. Compare insulation R-values before you buy.

There are other factors to consider. The amount of insulation you need depends mainly on the climate you live in. Also, your fuel savings from insulation will depend upon the climate, the type and size of your house, the amount of insulation already in your house, and your fuel use patterns and family size. If you buy too much insulation, it will cost you more than what you'll save on fuel.

To get the marked R-value, it is essential that this insulation be installed properly.

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