

# I & I Guard<sup>®</sup> -SCF

## TYPICAL FIELD (IN-GROUND) PROPERTIES

Density, pcf	50
Compressive Strength, psi	2590
Compressive Modulus, psi ASTM D 1621 (in sand)	35,946
Shear Strength, psi	1355
Shear Modulus, psi ASTM D 732 (in sand)	4500
Tensile Strength, psi	TBD
Tensile Modulus, psi ASTM D 638 (in sand)	TBD

Test results are obtained from stabilizer and water mixture injected into granular media in a confined environment comparable to injection below grade.

TBD = to be determined

## Low Viscosity, Polyurethane Injection Product for Soil Stabilization

### DESCRIPTION

I & I Guard<sup>®</sup>-SCF is a low viscosity, polyurethane injection product designed to stabilize soil. It migrates through loose soil and into below-grade voids. As it comes into contact with moisture in the soil, I & I Guard-SCF reacts and expands to form a rigid foam polymer. The foam encapsulates loose soil, fills voids, and forms a solid, water-tight barrier.

### DISTINGUISHING CHARACTERISTICS

- Pre-catalyzed - no mixing on-site
- 30:1 expansion ratio
- Stable foam expansion
- Activated in the presence of moisture
- Contains no solvents
- Contains no TDI

### APPLICATIONS

- Low Viscosity for Good Penetration
- Encapsulates and Strengthens Loose Soil
- Forms a Water-tight Barrier to Stop Water Migration

### TYPICAL LIQUID PROPERTIES (24-130)

- Viscosity: 780 cps
- Specific Gravity: 1.12
- Weight/Gallon: 9.3 lbs.
- Appearance: clear, light brown liquid
- Shelf Life: 6 months

### TYPICAL REACTION PROPERTIES

- Hand Mix @ 72°F
- 100 grams Stabilizer : 10 grams Water
- Cream (s): 35
- Rise (s): 300





#### WARRANTY

**Quadex, LLC warrants its products to be free of defects in material and workmanship.** Unless superseded by project specifications and terms agreed upon in writing between installer and Quadex prior to bid, if within one year from purchase, any Quadex, LLC product is proven defective, the company will replace said product or refund its purchase price at its sole discretion. The company's obligation shall be limited solely to such replacement or refund. There are no other warranties by Quadex, LLC, expressed or implied. There is no warranty if Quadex products are used contrary to Quadex, LLC's written directions.



Before I&I Guard-SCF



After I&I Guard-SCF

#### SAFE HANDLING OF LIQUID COMPONENTS

Avoid prolonged breathing of vapors. In case of chemical contact with eyes, flush with water for at least 15 minutes and get medical attention.

#### STORAGE AND USE OF CHEMICALS

Keep temperature of chemical at 70°F for several days before use. Cold chemical can cause pump cavitation or other process problems due to higher viscosity at lower temperatures. Absolutely no thinners should be added to this 100% solids system. Viscosity can be reduced by an increase in temperature. This product is sensitive to exposure to moisture. Keep drums tightly closed when not in use and under nitrogen pressure of 2 - 3 psi after they have been opened.