

### TERRA-LOK™ Product Line

The TERRA-LOK™ single-component product line is comprised of single-component, low-viscosity systems formulated for soil stabilization or permeation grouting. Each batch goes through stringent testing and quality assurance standards to ensure reliability in the field.

### TERRA-LOK™ 24-015

TERRA-LOK™ 24-015 is a low viscosity single-component polyurethane system used for increasing the load bearing capacity of loosely bound soils, filling voids and I/I mitigation. Based on the application, the 24-015 may be paired with activator to adjust cure times.

#### APPLICATIONS

**Stabilize Soil before Excavation**  
**Seawall Stabilization**  
**Stabilize and Prevent Water**  
**Migration Through Earthen Dams**  
**Seal Leaks in Sub-Grade Walls**  
**Tie Back Anchors**  
**Soil Strengthening**

#### UNIQUE ADVANTAGES

**Very Low Viscosity for Penetration**  
**Cure Time Controlled by Catalyst Ratio**  
**Encapsulates and Strengthens Soil**  
**Forms a Water-Tight Barrier to Stop**  
**Water Migration**  
**Good Resistance to Chemicals**  
**Contains no TDI**

### Physical Properties

Physical Properties	Test Method	Medium	Results
Density	ASTM D1622	Fine Sand	60 pcf
Compressive Strength @ 10%	ASTM D1621	Fine Sand	2985 psi
Compressive Modulus @Max	ASTM D1621	Fine Sand	61,465 psi
Shear Strength	ASTM D732	Fine Sand	1,275 psi

### Component Properties

Component	24-015	24-015 Activator
Brookfield Viscosity @72°F	100 cps	100 cps
Specific Gravity	1.192	1.218
Weight per Gallon	9.93 lbs	10.15 lbs
Appearance	Light Brown Color	Transparent Yellow
Shelf Life	1 year	1 year

## Regular Catalyst Reaction Properties

Weight % Activator	Activator / Gal	Cream (sec)	Rise (sec)
0.5	0.06 oz	155	220
1.0	1.3 oz	68	150
4.0	5.0 oz	20	92
10.0	12.5 oz	9	48

\*NCFI 24-015 B is a catalyst that causes the Soil Stabilizer to react with ambient moisture. Once activated, NCFI 24-015 A will react with any available water, including humidity in the air. To minimize loss caused by its reaction with ambient moisture, mix and use material in small batches. If a crust forms on the top of the mixed material, it will act as a temporary seal and inhibit curing of the liquid below the crust. If a crust forms, leave it intact until the liquid under the crust has been pumped. Once NCFI 24-015 A has been mixed with NCFI 24-015 B, it should never be left in pumps or stored for more than a few hours.

## Storage and Handling

For optimum shelf life, the recommended storage temperature is 50°F to 100°F. **Do not expose iso to lower temperatures – freezing may occur.** Avoid moisture contamination during storage, handling, and processing. After opening, pad the containers and day tanks with either nitrogen or dry air (desiccant cartridge or air dryer @ -40°F dew point).

Store components at 70°F to 90°F for several days prior to use to minimize viscosity issues.

Shelf life is 1 year for factory sealed containers.

## Application Cautions

Avoid contact with eyes. Read the relevant Safety Data Sheet before use. Use personal protective equipment in accordance with safe handling best practices as described in more detail in the NCFI Product Stewardship Manual.

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