



TERRA-LOK™ 24-015

Technical Data Sheet

TERRA-LOK™ Product Line

The TERRA-LOK™ 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.

APPLICATIONS

- Soil Stabilization
- Permeation Grouting
- Storm & Sanitary Infrastructure
- Seawalls
- Manholes
- Curtain Grouting
- Tunnels & Subgrade Utility Assets

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 requires the use of activator to adjust cure times. Based on the application, the 24-015 can be used with REG CAT activator.

UNIQUE ADVANTAGES

- Single Component System
- Low-Viscosity
- Variable Reaction Times
- Excellent Chemical Resistance
- Exceptional Strength Properties
- High Unconfined Expansion
- Hydrophobic

Physical Properties

Physical Properties	Test Method	Medium	Results
Density	ASTM D1622	Fine Sand	55 pcf
Compressive Strength @ 10%	ASTM D1621	Fine Sand	2985 psi
Compressive Modulus @Max	ASTM D1621	Fine Sand	61485 psi
Shear Strength	ASTM D732	Fine Sand	1275 psi
Shear Modulus	ASTM D732	Fine Sand	3300 psi
Expansion		Fine Sand	Up to 40x or 4,000%

Component Properties

Component	24-015	REG CAT Activator
Brookfield Viscosity @72°F	120 cps	10 cps
Specific Gravity	1.19	1.22
Weight per Gallon	9.95 lbs	10.2 lbs
Appearance	Light Brown Color	Transparent Yellow
Shelf Life	6 months	6 months

Regular Catalyst Reaction Properties

Weight % Activator	Activator / Gal	Cream (sec)	Rise (sec)
0.5	0.06 oz	22	240
1.0	1.3 oz	20	180
4.0	5.0 oz	17	100
10.0	12.5 oz	3	60

Storage and Handling

For optimum shelf life, the recommended storage temperature is 50°F to 100°F. **Do not expose A-side 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 of A-side and B-side is 6 months for factory sealed containers.

Application Cautions

Careful consideration should be given to selection and application of any NCFI Polyurethane foam system where excessive foam mass build-up can occur. Excessive polyurethane foam lift thickness will result in high internal temperatures within the injected foam, which can result in degraded foam properties, or in extreme cases, fire or spontaneous combustion. **Any flammability rating contained in this literature is not intended to reflect hazards presented by this or any other material under actual fire conditions.** Each person, firm or corporation engaged in the 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. Please consult NCFI Polyurethanes for safety considerations, polyurethane system selection and application recommendations.

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