



## TerraThane™

TerraThane Advanced Erosion Control Polyurethane Foam Barrier is the best option for the diversion and control of water in sub-surface environments. Specially developed for numerous below grade applications, TerraThane has high structural compressive strength, low exotherm heat, and a non-labor intensive process providing an exceptional trench breaker solution saving time and cutting overhead expenses.

< Pictured is a 24" natural gas line at a road crossing before the trench breaker construction.

### How TerraThane Works

TerraThane is a two-component closed-cell spray-in-place polyurethane foam developed especially for the construction of pipe line trench breakers to control environments for below grade application. The foam rapidly expands to fill broad expanses and quickly creates a trench breaker. Using blowing agent HFC-245fa, TerraThane is an all PMDI base polyurethane foam system formulated to process at 2.0-2.2 pcf depending on lift thickness.

### Ease of Application Saves Time

TerraThane is part of a self-contained process equipment system that can be outfitted inside a box truck or trailer for mobility making it easy to move up and down the pipe line. This unique application allows for fast construction, minimal waste and limited time in the trench.

### Reduces Overhead Costs

Operated typically by just a two-person crew, TerraThane can reduce labor costs and speed up trench breaker construction. This system avoids labor intensive measures such as filling sand bags to construct a trench breaker and reduces on-the-job work hours.

### Scorch Free Processing

TerraThane is designed to be built up in great lift thickness without scorching or foam splitting. With its low exotherm heat transfer during application, TerraThane eliminates additional spray passes and ensures quick trench breaker construction.

### Exceptional Inter-Layer Adhesion

TerraThane has a high structural compressive strength providing a strong inter-layer adhesion. This ensures a strong, monolithic barrier that out-performs sand bags that can later shift and settle causing erosion problems.

### Reliable Performance

TerraThane's closed-cell structure allows virtually no moisture to pass through ensuring a stable, controlled environment for varied below grade situations.

### Manufacturer Support

Since 1964, NCFI Polyurethanes has been developing polyurethane foam systems for industrial, commercial and geo-technical applications. Additionally, NCFI offers full field service and support for the equipment, including training and replacement parts.

### Environmentally Friendly

Formulated with an environmentally friendly non-ozone depleting blowing agent, TerraThane offers a trouble-free alternative to conventional sub-grade applications. Maintenance free TerraThane, allows the trench breaker to last a lifetime with no additional use of natural resources.

< TerraThane being sprayed in place to construct a trench breaker.

TerraThane  
Advanced  
Erosion  
Control  
Barrier



# About TerraThane™ Advanced Erosion Control Barrier

## TECHNICAL SPECIFICATIONS

TerraThane (NCFI TB15-014) is a two-component, HFC-245a blown, all PMDI based polyurethane foam system designed for use as trench breaker material. TerraThane has been formulated to process at 2.0 – 2.2 pcf depending on lift thickness.

### TerraThane Typical Physical Properties\*

Properties	Values	Units
Core Density:	2.1 - 2.2	
Compression Strength At Max Load:	31.8	PSI
Closed-Cell Content:	> 95%	
Resistance To Solvents:	Excellent	

\* Physical properties may change based on job specifications.

**NCFI** polyurethane foams can also be used for:

- > Sound Proofing Walls (Compressor Station)
- > Void Fill
- > Soil Stabilization
- > Insulation Above and Below Grade
- > Mining and Drilling
- > Concrete Lifting

**NCFI** also offers a complete line of protective coatings for the construction industry, including:

- > Polyurea
- > Butyl
- > Urethane
- > Acrylic
- > Primers
- > Silicone

**NCFI** is the recipient of an EPA Stratospheric Ozone Protection Award.

Learn more about TerraThane by calling 1-800-346-8229 or go to [NCFI.com](http://NCFI.com).



^ TerraThane can be installed quickly without scorching or foam splitting.



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