

OIL AND GAS

TEKTRENCH®

IMPROVED TRENCH PIPE SUPPORT AND PROTECTION FOAM

DESCRIPTION

Minova's Tektrench® is a pumpable two-component polyurea silicate grout that is used to support gas, oil and utility pipelines. The material has a low exothermic temperature, superior adhesion and water permeability characteristics making it an excellent choice to support the pipeline and help to prevent erosion.



ADVANTAGES

- Fire-resistant and self-extinguishing – Class A Flamespread Rating
- Low exothermic reaction temperature eliminates damage to pipe coating
- Supports cathodic protection, extending pipeline life
- Water permeable material slows water flow in trench, helping with erosion control
- Increases efficiency, requires less manpower and improves cost savings
- Improves worker safety, workers are not required to be in trenches placing sandbags
- Environmentally safe material, drinking water safe
- Cost effective alternative to polyurethane foams
- Superior adhesion and compressive strength, forms around pipe without inducing damage

APPLICATION METHOD

The components are pumped at the volumetric ratio of 1:1 by using a dual component pump. Multiple pumping options are available and customizable to any pipeline terrain.

TECHNICAL TESTING COMPLETED

- ASTM E162-16 Surface Flammability Test
- Cathodic Protection Testing (Third Party)
- Compression Strength Testing
- Ground Water Quality Testing (Third Party)
- Permeability and Specific Gravity Testing
- Compatibility to Pipe Coating Testing

MATERIAL DATA

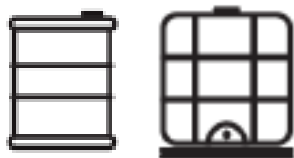
| Parameter | Component A | Component B | Standard |
|------------------|----------------------------------|----------------------------------|-------------|
| Density at 77 °F | 1220 ± 0.9364 lb/ft ³ | 1455 ± 1.8728 lb/ft ³ | DIN 12791-1 |
| Color | brown | brownish-turbid | |
| Flash point | > 392°F (200°C) | n.a. °C/°F | DIN 53213 |
| Viscosity at | 140 ± 15 mPa*s | 260 ± 80 mPa*s | ISO 3219 |

PACKAGING AND TRANSPORTATION

Both components of Tektrench® are not regulated by DOT.

Part A NMFC Number: 43940 Sub 2 Class: 85

Part B NMFC Number: 46580 Sub2 Class: 65



STORAGE AND SHELF LIFE

Store product out of direct exposure to sunlight as overheating may occur. It is important to avoid overheating, as product degradation may occur.

Shelf-life is expected to be at least six months from date of delivery or twelve months from date of manufacture when product is stored in a dry place between the temperatures of 10°-30°C (50°-86°F).

If either period is exceeded, it is recommended to have the materials quality checked by Minova Quality to ensure product specification compliance.

APPROVALS AND CERTIFICATES



an ISO 9001:2015

Quality Management System Certified Company

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ADDITIONAL DOCUMENTATION

Started more than 135 years ago, Minova is a global manufacturer and supplier of chemical and mechanical earth control products and support equipment. With manufacturing plants on five continents and operations in more than 25 countries, Minova is an industry-leading provider of ground support solutions for the underground mining, construction and energy industries.

If further information is required consult Minova Americas website: www.minovaglobal.com.

- Tektrench Component A Safety Data Sheet (SDS)
- Tektrench Component B Safety Data Sheet (SDS)

MANUFACTURER

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CUSTOMER SERVICE

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