

TBK

Advanced girth-weld protection for pipes used in directionally drilled applications

The TBK Directional Drilling system is specifically designed to protect welded joints on PE, FBE and HPCC coated pipelines in directional drilling applications. In addition to providing effective protection against pull-through forces that occur during the directional drilling operation, Canusa's TBK systems provide superior corrosion protection at pipeline weld joints. The product range includes TBK-65, TBK-80 and TBK-PE, which are each designed to meet specific application conditions and operating requirements.

Multi-Layers of Protection

- Force-cured liquid epoxy applied to steel, if required, for maximum corrosion protection
- Primary sleeve composed of high shear strength adhesive, a protective heat shrinkable backing, and a pre-attached closure patch
- Sacrificial sleeve incorporated to protect the leading edge of the underlying primary sleeve during pull-through operation
- Epoxy overcoat applied at the leading and trailing ends of the joint coating to provide additional protection to the system during directional drilling

Superior Gouge and Abrasion Resistance

- Designed to mitigate the effect of forces associated with directional drilling
- Highly resistant to the effect of soil stresses and pipe movements
- Canusa's Wrapid Shield[™] XL, Wrapid Shield[™] XLE and HBE-DX products are provided as alternatives for added mechanical protection as an overcoat

Unique Adhesive Technology

- Allows for lower installation pre-heat temperatures and superior bonding to mainline coating
- Adhesive has been formulated to bond directly to the mainline coating; epoxy (if required) is applied to the steel only
- Lower pre-heat temperature means less time heating resulting in application time and cost



Applications





PRODUCT DATA SHEET

canusacps.com

TBK

Sleeve Operating Characteristics

Pipeline Operating Temp.**

Minimum Installation Temp.

Adhesive Properties

Softening Point

Mainline Coating Compatibility

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Test Method

ASTM E28

TBK-65*

Up to 65°C

(150°F)

90°C

(195°F)

FBE, PE, PP,

HPCC

94°C

TBK-80

Up to 80°C

(176°F)

110°C

(230°F)

FBE, PE,

HPCC

124°C

> -26°C

Typical Values

TBK-PE

Up to100°C

(212°F)

130°C

(266°F)

FBE, PE,

HPCC

> 150°C

> -26°C

The product information shown here is intended as a guide for standard products.

Consult your Canusa representative for specific projects or unique applications.



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Canusa-CPS is registered to ISO 9001:2008

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the product data sheet when used in compliance with Canusa's written instructions. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith. Canusa's liability is stated in the standard terms and conditions of sale. Canusa makes no other warranty either expressed or implied. All information contained in this data sheet is to be used as a guide and is subject to change without notice. This data sheet supersedes all previous data sheets on this product. E&OE

PDS_TBK_rev015



> -32°C

* System can either be in 2-layer or 3-layer configuration

** Actual temperature rating is dependant on specific project requirements and conditions.

*** Residual Thickness. Test performed on 2.6 mm standard thickness sleeve as supplied.

ASTM D2671-C

**** As a 3-layer system

@ 23°C, 28 days**** Low Temp. Flexibility

Since 1967, Canusa-CPS has been a leading developer and manufacturer of specialty pipeline coatings for the sealing and corrosion protection of pipeline joints and other substrates. Canusa-CPS high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate many specific project applications.



