



GTS-HT

Shrink sleeve for girth-weld protection of high operating temperature FBE coated pipelines.

Canusa-CPS is a leading manufacturer of specialty pipeline coatings which, for over 30 years, have been used for sealing and corrosion protection of pipeline joints and other substrates. Canusa high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate your specific project applications.

Product Description

The GTS-HT system provides superior corrosion protection and excellent bonding on FBE coated pipelines operating at temperatures up to 120°C (248°F) (actual rating may vary depending on local requirements).

Features & Benefits

GTS-HT sleeves consist of a thick cross-linked backing coated with a very high shear strength hot-melt adhesive. During installation the adhesive melts and flows, filling surface irregularities, and providing an excellent bond to metal and FBE coating.

Long Term Corrosion Protection

The adhesive/backing combination provides a protective coating with the structural integrity of a seamless tube. The result is effective, long term protection against corrosion.

Rapid and Reliable Installation

GTS-HT can be installed with common equipment, including a propane torch. On large pipes over 760mm (30"), an induction or infrared heater is recommended.

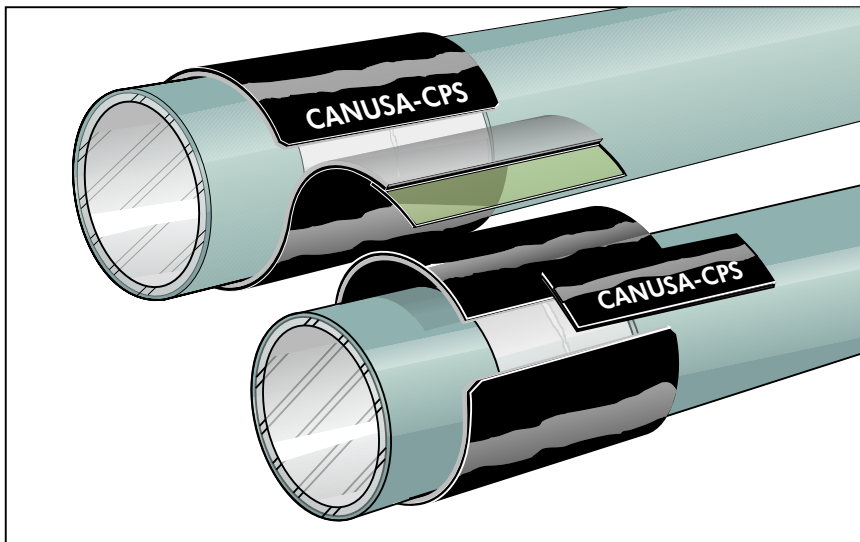
The required preheat is significantly lower than that required by other systems. The result is quicker installation, reduced labour costs, and higher production rates.

Tough, Durable System

GTS-HT provides superior durability against abrasion, impact, penetration, and chemical attack.

Flexible Installation

The GTS-HT closure has high shear strength adhesive inner layer. It is available in two configurations: attached to the sleeve or supplied separately.



Applications



Oil & Gas



High Temp



Girth-Weld Joints



Fusion Bond Epoxy

Configurations



Wrapid Sleeve™



CanusaWrap™



2-Layer



Standard Shrink

Pipe Sizes



55 - 1200 (2" - 48")

Temperature Range



up to 120°C (248°F)

Product Selection Guide

Sleeve Operating Characteristics	Celsius	Fahrenheit	GTS-HT
	200°	392°	
	180°	356°	
	160°	320°	
	140°	284°	
	120°	248°	
	100°	212°	
	80°		
	Pipeline Operating Temp.	°C (°F)	120 (248)
	Preheat Temperature	°C (°F)	190 (374)
Sleeve Operating Characteristics	Resistance to Circumferential Forces		excellent
	Resistance to Soil Stress		excellent
	Resistance to Axial Pipe Movement		excellent
	Main Line Coating Compatibility		FBE, XLPE*

The Product Selection Guide shown here is intended as a guide for standard products. Consult your Canusa representative for specific projects or unique applications. The following are typical values for the GTS-HT sleeve.

*CanusaClad-HT (for PE or PP see GTS-HT-PP)

Typical Product Properties

Sleeve Adhesive	Test Standard	Unit	Typical
Softening point	ASTM E28	°C (°F)	> 150 (302)
Lap shear @ 23°C	ASTM D1002	N/cm ² (psi)	> 900 (1300)
Lap shear @ 120°C	ASTM D1002	N/cm ² (psi)	> 52 (75)
Aleyska Shear @ 120°C	TP-206	Movement	0 mm
Backing	Test Standard	Unit	Typical
Specific gravity	ASTM D792		0.94
Tensile strength	ASTM D638	MPa (psi)	22 (3150)
Elongation	ASTM D638	%	500
Hardness	ASTM D2240	Shore D	55
Volume Resistivity	ASTM D257	ohm-cm	2.5 x 10 ¹⁸
Dielectric Voltage Brkdwn	ASTM D149	kV/mm (V/mil)	39 (990)
Sleeve	Test Standard	Unit	Typical
Impact	ASTM G14	J (lb-In)	14 (127)
Impact @ 120°C	DIN 30672	pass/fail	pass
Penetration Resistance	ASTM G17	pass/fail	pass @ 12 kV
Soil Stress Creep Resistance @ 120°C			pass
Peel	ASTM D1000	N/cm (pli)	> 140 (80)
Peel @ 120°C	EN 12068	N/cm (pli)	18 (10)
Cathodic Disbondment @ 23°C	ASTM G8	mm rad	< 3
Cathodic Disbondment @ 95°C	ASTM G42	mm rad	< 6
Cathodic Disbondment @ 120°C	ASTM G42M	mm rad	< 10
Low Temperature Flexibility	ASTM D2671-C	°C (°F)	-10 (14)
Fully Recovered Sleeve Thickness		mm (mils)	2.5 (98)

How To Order:

Dimensions & Ordering Info	GTS-HT-B 300-30 BK		GTS-HT 915-450 BK	
	CanusaWrap™		Wrapid Sleeve™	
	Colour ▶		Colour ▶	
	Bulk Roll Length ▶		Sleeve Width ▶	
	Bulk Roll Width ▶		Pipe Size ▶	
	Adhesive Thickness (as supplied) ▶		Adhesive (thickness as supplied) ▶	
	Backing Thickness (as supplied) ▶		Backing (thickness as supplied) ▶	
	Configuration ▶		Product Designation ▶	
	Ordering Example ▶			
	Global Transmission Sleeve			

The above represent standard ordering options. Consult your Canusa representative for any unique project requirements.
Note: GTS-HT requires the use of CLH closures, when ordered in CanusaWrap configuration.



CANUSA-CPS

A SHAWCOR COMPANY

Canada

CANUSA-CPS
a division of SHAWCOR LTD.
25 Bethridge Road
Rexdale, Ontario
M9W 1M7,
Canada
Tel: +1 (416) 743-7111
Fax: +1 (416) 743-5927

U.S.A./Latin America

CANUSA-CPS
a division of SHAWCOR INC.
2408 Timberloch Place
Building C-8
The Woodlands, Texas
77380, U.S.A.
Tel: +1 (281) 367-8866
Fax: +1 (281) 367-4304

Europe/Middle East

CANUSA-CPS
a division of Canusa Systems Ltd.
Unit 3, Sterling Park
Gatwick Road
Crawley, West Sussex
England RH10 9QT
Tel: +44 (1293) 541254
Fax: +44 (1293) 541777

www.canusacps.com

Asia/Pacific

CANUSA-CPS
BrederoShaw (S) Pte Ltd
101 Thomson Road
#17-01/02, United Square
Singapore
307591
Tel: +65-6732-2355
Fax: +65-6732-9073

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the installation guide 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 installation guide is to be used as a guide and is subject to change without notice. This installation guide supersedes all previous installation guides on this product. E&OE Printed on recycled paper. Recyclable. PDS-A4-GTS-HT-rev011