

GTS-80-ISO

Global Transmission Sleeve

The GTS-80-ISO system provides superior corrosion protection and excellent bonding on pipelines operating up to 85°C. GTS-80-ISO has been designed with a unique adhesive technology “in tune” with Liquid Epoxy Type S-80 primer layer. As a result, lower preheat temperatures are required to attain true adhesive wet-out and superior bonding to parent coating surfaces. GTS-80-ISO wrap-around heat shrink sleeve is applied over wet epoxy primer layer, providing lasting coating performance equivalent to 3-layer factory applied polyethylene coatings.



Unique Technology

- Durable crosslinked high density polyethylene backing combined with unique adhesive technology to provide excellent peel strength and shear resistance at high temperature.

Enhanced Chemical and Mechanical Bond

- GTS-80-ISO hotmelt adhesive and Liquid Epoxy Type S-80 formulas have been specifically engineered to establish strong bond with prepared pipe surface and parent coating surface resulting in a high performance 3-Layer system with unmatched long-term performances.

Flexible Installation

- Lower pre-heat means less time heating.
- For added flexibility, the sleeve can be supplied as bulk rolls or pre-cut to the required pipe size.

Long Term Corrosion Protection

- Provides a protective coating with the structural integrity of a seamless tube, providing excellent resistance to cathodic disbondment and excellent durability against abrasion and chemical attack.
- Canusa GTS-80-ISO system meets the requirements of ISO21809-3 Type 14B2 (80°C) and EN12068 C80 HT UV.

Applications



Oil & Gas



Offshore Pipelines



Onshore Pipelines



Sleeve Operating Characteristics	Test Method	Typical Values
Pipeline Operating Temp.		Up to 85°C (185°F)*
Installation Temp.		70-80°C (158-175°F)
Main Line Coating Compatibility		PE, FBE, AE
Adhesive Properties		
Softening Point	ASTM E28	120°C
Lap Shear @ 23°C	ISO 21809-3	> 3 N/mm ²
Lap Shear @ 80°C	ISO 21809-3	> 0.4 N/mm ²
Backing Properties		
Tensile Strength	ASTM D638	23 MPa
Elongation	ASTM D638	600%
Hardness	ASTM D2240	min. 55 Shore D
Volume Resistivity	ASTM D257	> 10 ¹⁵ ohm-cm
Sleeve Properties		
Adhesion Strength @ 23°C	ISO 21809-3	> 5 N/mm
Adhesion Strength @ 80°C	ISO 21809-3	> 0.3 N/mm
Impact Resistance	ISO 21809-3	≥ 7 J/mm
Indentation Resistance @ 80°C	ISO 21809-3	> 0.6 mm (pass)**
Cathodic Disbondment @ 23°C, 28 days	ISO 21809-3	< 5 mm rad
Hot Water Immersion @ 80°C	ISO 21809-3	P ₁₀₀ /P ₀ > 0.75 (pass)
Low Temp. Flexibility	ASTM D2671-C	-25°C (pass)



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

Consult your Canusa representative for specific projects or unique applications at info@canusacps.com.

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Quality Management system registered to ISO 9001

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

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* Actual temperature rating is dependent on specific project requirements and conditions.
** Construction /L or thicker.

Standard Thickness***	'/L'	'/S'	'/Z'
Backing (nominal thickness as supplied)	0.9 mm (0.035")	1.1 mm (0.045")	1.1 mm (0.045")
Adhesive (nominal thickness as supplied)	1.2 mm (0.047")	1.5 mm (0.060")	1.8 mm (0.071")

*** Other product configurations available. Contact your Canusa-CPS representative for details. Minimum Order Quantities may apply.

Nomenclature & Ordering Information		Product Description	Configuration ▶ Roll Width in mm ▶ Roll Length in m ▶ Thickness ▶
Designation	Standard Options		
Configurations	"-B" Bulk Rolls Length - Standard length: 30 m	GTS-80-ISO-B 450-30 BK/L GTS-80-ISO 915-500 WS BK/L	450 mm (17.75 in.)
	'CW' CanusaWrap (Separate CLRU closure patch) 'WS' WrapidSleeve (Pre-attached CLRU closure patch) Standard Sizes - Pipe OD: 60 - 2540 mm (2.375 - 100 in.)		30 m (100 ft.) '/L' - Thickness (Refer to table above)
Standard Sleeve widths (mm)	450 mm, 500 mm, 600 mm		GTS-80-ISO
Pre-cut sleeves are supplied with corner cuts, pre-attached or separate CLRU closure patch. Special widths, lengths and thicknesses including incorporated Weld bead Tape ('WB'), as well as configurations are available upon request. Minimum Order Quantities will apply. Consult with your local Canusa-CPS representative for further details.			'/L' - Thickness (Refer to table above)
			'WS': WrapidSleeve (Pre-attached CLRU closure patch)
			500 mm (19.75 in.)
			915 mm (36") Pipe OD

Epoxy usage can be referenced on the Liquid Epoxy Product Data Sheet.

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.