

GTS-65-ISO

Global Transmission Sleeve

The GTS-65-ISO system provides superior corrosion protection and excellent bonding on pipelines operating up to 65°C. GTS-65-ISO has been designed with a unique adhesive technology that allows application with wet or forced cured epoxy. GTS-65-ISO is used in conjunction with Canusa-CPS's liquid epoxy Type E-WF and provide lasting coating performance as long as a 3-layer factory applied coating.



Unique Adhesive Technology

- Copolymer adhesive with excellent shear resistance combined with a durable crosslinked high density polyethylene backing.
- GTS-65-ISO hotmelt adhesive and Liquid Epoxy Type E-WF 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-65-ISO system meets the requirements of ISO21809-3 Type 14B1 (60°C) and EN12068 C60 HT UV.



Sleeve Operating Characteristics	Test Method	Typical Values
Pipeline Operating Temp.		Up to 65°C (150°F)*
Minimum Installation Temp.		70°C (178°F)
Main Line Coating Compatibility		PE, FBE, CTE
Adhesive Properties		
Softening Point	ASTM E28	120°C
Lap Shear @ 23°C	ISO 21809-3	5.4 N/mm ²
Lap Shear @ 60°C	ISO 21809-3	1.2 N/mm ²
Backing Properties		
Tensile Strength	ASTM D638	24 MPa
Elongation	ASTM D638	600%
Hardness	ASTM D2240	55 Shore D
Volume Resistivity	ASTM D257	10 ¹⁷ ohm-cm
Sleeve Properties		
Adhesion Strength @ 23°C	ISO 21809-3	> 5 N/mm
Impact Resistance	ISO 21809-3	≥ 5 J/mm
Indentation Resistance @ 60°C	ISO 21809-3	> 0.6 mm (pass)
Cathodic Disbondment @ 23°C, 28 days	ISO 21809-3	< 5 mm rad
Low Temp. Flexibility	ASTM D2671-C	-20°C (pass)

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

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)	1.3 mm (0.050")	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
Designation	Standard Options	
	"-B" Bulk Rolls Length - Standard length: 30 m	<p>Configuration ▶ Roll Width in mm ▶ Roll Length in m ▶ Thickness ▶</p> <p>GTS-65-ISO-B 450-30 BK/L GTS-65-ISO 915-500 WS BK/L</p>
Configurations	'CW' CanusaWrap (Separate CLRU closure patch) 'WS' WrapidSleeve (Pre-attached CLRU closure patch) Standard Sizes - Pipe OD: 60 – 2540 mm (2.375 – 100 in.)	
Standard Sleeve width (mm)	450 mm, 500 mm, 600 mm	<p>'-B' Bulk Roll</p> <p>450 mm (17.75 in.)</p> <p>30 m (100 ft.)</p> <p>'L' - Thickness (Refer to table above)</p> <hr/> <p>GTS-65-ISO</p> <p>'L' - Thickness (Refer to table above)</p> <p>'WS': WrapidSleeve (Pre-attached CLRU closure patch)</p> <p>500 mm (19.75 in.)</p> <p>915 mm (36") Pipe OD</p>
Pre-cut sleeves can be supplied with corner cuts, pre-attached or separate CLRU closure patch. Special thicknesses, widths, lengths as well as configurations are available upon request. Minimum Order Quantities will apply. Consult with your local Canusa-CPS representative for further details.		

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.

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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