

# GTS-65-EN

## Global Transmission Sleeve

The GTS-65-EN system provides superior corrosion protection and excellent bonding on pipelines operating up to 65°C. GTS-65-EN has been designed with a unique adhesive technology that remains “open” longer than traditional adhesives. As a result, lower preheat temperatures are required to attain true adhesive wet-out and superior bonding to parent coating surfaces. GTS-65-EN can be used in conjunction with Canusa-CPS’s forced cure Liquid Epoxy Type E-WF or as 2-layer coating without liquid epoxy (Please refer to dedicated Application Guidelines for more information).



### Superior Force Cured Epoxy

- Proven method of force curing the liquid epoxy to the steel allows the installer to “pre-inspect” the joint prior to sleeve application.
- Force cured epoxy cannot be displaced during the aligning and shrinking stages of the sleeve installation.

### Unique Adhesive Technology

- Hybrid adhesive with excellent compatibility performance to different pipe coatings.
- Adhesive has been formulated to bond directly to epoxy is applied to the steel only. Consult your Canusa-CPS representative for more information.

### Flexible Installation

- Lower pre-heat means less time heating.
- GTS-65 can be used as either a 2-layer or 3-layer sleeve system with the same low pre-heat temperature.
- 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 water immersion and chemical attack.
- Canusa GTS-65-EN meets the requirements of EN12068 class C50 UV

### Applications



Oil & Gas



Offshore Pipelines



Onshore Pipelines



Sleeve Operating Characteristics	Test Method	Typical Values
Pipeline Operating Temp.		Up to 65°C (150°F)*
Minimum Installation Temp.		90°C (195°F)
Main Line Coating Compatibility		PE, PP
Adhesive Properties		
Softening Point	ASTM E28	110°C
Lap Shear @ 23°C	EN12068	> 0.5 N/mm <sup>2</sup>
Lap Shear @ 60°C	EN12068	≥ 0.05 N/mm <sup>2</sup>
Backing Properties		
Tensile Strength	ASTM D638	24 MPa
Elongation	ASTM D638	600%
Hardness	ASTM D2240	55 Shore D
Sleeve Properties with E-WF epoxy		
Adhesion Strength @ 23°C	EN12068	2.0 N/mm
Impact Resistance	EN12068	> 15 J**
Indentation Resistance @ 50°C	EN12068	> 0.6 mm (pass)**
Cathodic Disbondment @ 23°C, 28 days	EN12068	< 5 mm rad
Low Temp. Flexibility	ASTM D2671-C	-15°C (pass)

\* 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)	1.3 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	
Configurations	"-B" Bulk Rolls Length - Standard length: 30 m  '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 widths (mm)	450 mm, 500 mm	
Pre-cut sleeves are 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.		<b>'-B' Bulk Roll</b> Roll Width in mm ▶ <b>450 mm</b> (17.75 in.) Roll Length in m ▶ <b>30 m</b> (100 ft.) Thickness ▶ <b>'/L' - Thickness</b> (Refer to table above)
		<b>'/L' - Thickness</b> (Refer to table above) <b>'WS' WrapidSleeve</b> (Pre-attached CLRU closure patch) Configuration ▶ Sleeve Width in mm ▶ <b>500 mm</b> (19.75 in.) Sleeve Size ▶ <b>915 mm</b> (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.

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](mailto: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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