

GTS-80/M80

Global Transmission Sleeve

The GTS-80/M80 provides superior corrosion protection for pipelines operating up to 80°C. GTS-80/M80 is coated with an adhesive formulated to create an excellent bond with a variety of substrates, including PE and FBE mainline coatings. This specialized adhesive technology, coupled with a high performing S-80 liquid epoxy and an advanced cross-linked high-density polyethylene backing ensures excellent mechanical and corrosion protection.



Unique Technology

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

Enhanced Chemical and Mechanical Bond

- 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 precut to the required pipe size.
- GTS-80/M80 can be designed with built-in weld bead filler for increase thickness over joint weld cap in fast installation.

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/M80 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.		80°C (175°F)*
Installation Temp.		70 - 80°C (158 - 175°F)
Main Line Coating Compatibility		PE, FBE
Adhesive Properties		
Softening Point	ASTM E28	120°C
Lap Shear @ 80°C	ASTM D1002	> 0.35 N/cm ²
Backing Properties		
Tensile Strength	ASTM D638	23 MPa
Elongation	ASTM D638	600%
Hardness	ASTM D2240	minimum 55 Shore D
Sleeve Properties		
Adhesion Strength @ 23°C	EN 12068	> 5 N/mm
Adhesion Strength @ 80°C	EN 12068	> 0.3 N/mm
Impact Resistance	EN 12068	> 15 J
Penetration Resistance @ 80°C, 24hrs	ASTM G17	Pass (No holiday)
Cathodic Disbondment @ 80°C, 30 days	ASTM G42	< 15 mm rad
Hot Water Immersion @ 80°C, 120 days	ASTM D870	Pass
Soil Stress Creep Resistance @ 80°C, 24 hrs	TP-206	< 0.1 in.

* 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)	1.2 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
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 - 3680 mm (2.375 - 144 in.)	
Standard Sleeve widths (mm)	450 mm	
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.		
		GTS-80/M80-B 450-30 BK/L GTS-80/M80 915-450 CW BK/L
		'-B' Bulk Roll 450 mm (17.75 in.) 30 m (100 ft.) '/L' - Thickness (Refer to table above)
		GTS-80/M80 '/L' - Thickness (Refer to table above) 'CW': CanusaWrap (Separate CLRU closure patch) 450 mm (17.75 in.) Sleeve Size 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.

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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