



CanusaTube™ - PLA

Tubular sleeve for pipeline corrosion protection

Canusa is a leading manufacturer of crosslinked, heat shrinkable products 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 Wrapid Sleeve™, CanusaWrap™, CanusaTube™, and Wrapid Tape™ configurations to accommodate your specific project applications.

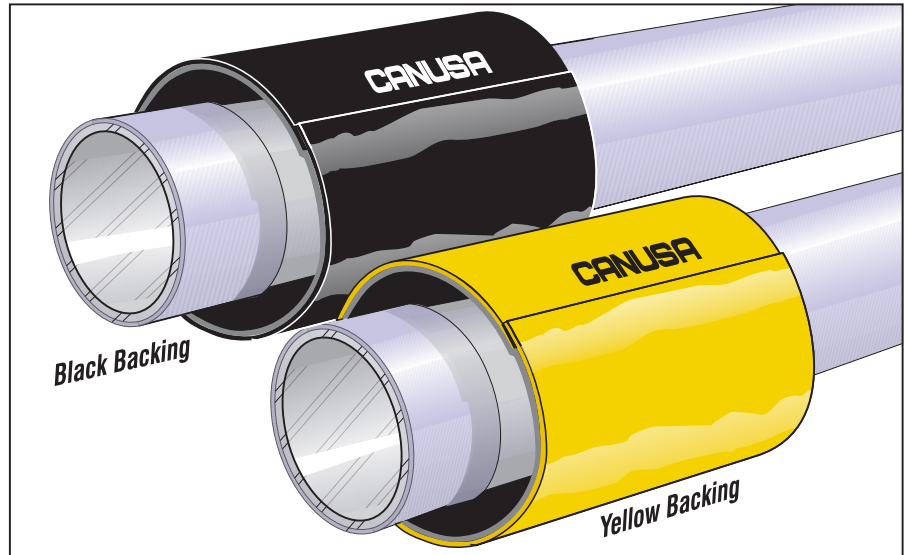
Product Description

The CanusaTube™ is a heat shrinkable tubular sleeve designed for corrosion protection of buried and exposed steel pipelines. CanusaTube™ consists of a crosslinked polyolefin backing, coated with a protective heat sensitive adhesive which effectively bonds to steel substrates and common pipeline coatings including polyethylene and fusion bonded epoxy.

Features & Benefits

Rapid & Reliable Installation.

Because CanusaTube™ consists of a unique tubular configuration that has been factory constructed, quick and reliable field installation is easy to accomplish. CanusaTube™ is available with a specially formulated adhesive to accommodate demanding operating temperatures and soil stress conditions. To further optimize installation, CanusaTube™ is available in yellow which includes a thermochromic indicator to visually confirm proper installation.



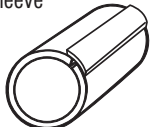
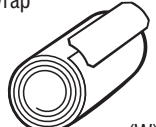
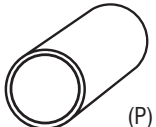
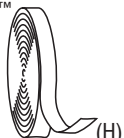
Long Term Corrosion Protection

CanusaTube™ provides excellent resistance to cathodic disbondment resulting in effective long term corrosion protection. The high performance crosslinked backing in combination with the specially formulated adhesive is engineered to have excellent resistance against temperature cycling, and chemical and environmental attack.



Saves Time & Money

With CanusaTube's™ unique construction, less time is required handling, positioning and installing separate closures. With the application of heat, this feature allows for fast, simple and complete installation of the sleeve. No additional costly primers are required. This minimizes installation time and labour costs while promoting high production rates. CanusaTube™ is also available in a high shrink ratio for high profile joint protection. Consult the High Shrink data sheet for additional information.

Available Configurations

Wrapid Sleeve™  (K)	
CanusaWrap™  (W)	
CanusaTube™  (P)	✓
Wrapid Tape™  (H)	

Shrink Ratio

 Standard	✓
 High Shrink	

CanusaTube™ - PLA

The product selection chart 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 based on Black, Heavy Duty (L) Sleeves.

Product Selection Guide Choose your sleeve based on your Pipe Diameter

Shrink Range	Nominal Pipe Diameter DN (inches)	Outside Pipe Diameter mm (inches)	Tubular Sleeve PLA - XXX - (Your Sleeve Width)	Tubular Sleeve Diameter	
				As Supplied mm (in)	Fully Recovered mm (in)
	50 (2)	61 (2.4)	PLA - 55 -	90 (3.5)	55 (2.3)
	65 (2.5)	76 (3)	PLA - 63 -	90 (3.5)	63 (2.5)
	80 (3)	89 (3.5)	PLA - 90 -	120 (4.8)	81 (3.3)
	90 (3.5)	102 (4)	PLA - 100 -	130 (5)	90 (3.5)
	100 (4)	114 (4.5)	PLA - 115 -	145 (5.5)	98 (3.8)
	125 (5)	141 (5.5)	PLA - 125 -	160 (6.3)	110 (4.3)
	150 (6)	168 (6.6)	PLA - 170 -	205 (8)	140 (5.5)
	200 (8)	219 (8.6)	PLA - 230 -	260 (10)	180 (7)
	250 (10)	273 (10.7)	PLA - 280 -	315 (12.3)	211 (8.3)
	300 (12)	324 (12.8)	PLA - 315 -	360 (14)	245 (9.5)

For pipe diameters > DN300 (12"), consult your Canusa representative.

Operating Characteristics

Pipeline Operating Temperature	Celsius	Fahrenheit	Hot Melt PLA
	70°	158°	60°
60°	140°	50°	very good
50°	120°	40°	very good
40°	104°	30°	very good
30°	85°		very good

Minimum Installation Temp. ■ °C (°F)

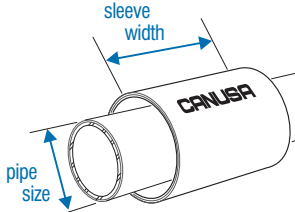
Resistance to Circumferential Forces very good
Resistance to Soil Stress very good
Resistance to Axial Pipe Movement very good
Main Line Coating Compatibility PU, PE, FBE

Typical Product Properties

Adhesive	Test Standard	Unit	PLA
Softening Point	ASTM E28	°C (°F)	72 (162)
Lap Shear	DIN 30 672	N/cm ² (psi)	60 (87)
Backing			
Specific Gravity	ASTM D792		0.93
Tensile Strength	ASTM D638	MPa (psi)	20 (2900)
Elongation	ASTM D638	%	600
Hardness	ASTM D2240	Shore D	46
Abrasion Resistance	ASTM D1044	mg	45
Volume Resistivity	ASTM D257	ohm-cm	10 ¹⁷
Dielectric Voltage Brkdwn.	ASTM D149	kV/mm	20
Sleeve			
Impact	DIN 30 672	class B	pass
Indentation	DIN 30 672	class B	pass
Peel	ASTM D1000	N/cm (pli)	50 (29)
Peel	DIN 30 672	N/cm (pli)	35 (20)
Cathodic Disbondment	ASTM G8	mm rad	13
Water Absorption	ASTM D570	%	0.05
Low Temp. Flexibility	ASTM D2671-C	°C (°F)	-32 (-26)
DIN Approval	DIN 30 672	class	B50
Fully Recovered Thickness		mm (mils)	2.3 (92)

How To Order:

Dimensions & Ordering Info	PLA-115-450-YE	Standard Ordering Options
	Colour	YE - Yellow, BK - Black
Sleeve Width	300mm, 450mm, 610mm, 915mm (12", 18", 24", 36")	
Pipe Size	55mm - 315mm (2" - 12")	
Adhesive (thickness as supplied)	A - 0.75 mm (30 mils)	
Backing (thickness as supplied)	L - 0.80 mm (31 mils)	
Configuration	P - Tubular	



Min. Sleeve Width = Bare Steel Dimension + 50 mm (2") min. on each side of the pipe joint.

The above represent standard ordering options. Consult your Canusa representative for any unique project requirements.



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