

PLA

Tubular sleeve for pipeline corrosion protection

The PLA is a heat shrinkable tubular sleeve designed for corrosion protection of buried and exposed steel pipelines. PLA 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.

Rapid & Reliable Installation

- PLA consists of a unique tubular configuration that has been factory constructed, resulting in a quick and reliable field installation.
- PLA is manufactured with a specially formulated adhesive to accommodate demanding operating temperatures and soil stress conditions.

Long Term Corrosion Protection

- PLA 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 PLA's unique construction, less time is required handling, positioning and installing separate closures.
- This feature allows for a fast, simple and complete installation of the sleeve, with no primers required. This minimizes installation time and labour costs while promoting high production rates.



Applications



Oil & Gas



Water Pipelines



Utility Poles



PLA

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Sleeve Operating Characteristics	Test Method	Typical Values
Pipeline Operating Temp.		Up to 55°C (131°F)*
Minimum Installation Temp.		60°C (140°F)
Mainline Coating Compatibility		PE, FBE
Adhesive Properties		
Softening Point	ASTM E28	72°C
Lap Shear @ 23°C	ISO 21809-3	60 N/cm ²
Backing Properties		
Tensile Strength	ASTM D638	20 MPa
Elongation	ASTM D638	600%
Hardness	ASTM D2240	46 Shore D
Volume Resistivity	ASTM D257	10 ¹⁷ ohm-cm
Sleeve Properties		
Adhesion Strength @ 23°C	ISO 21809-3	35 N/cm
Impact Resistance	ISO 21809-3	Pass
Indentation Resistance	ISO 21809-3	Pass
Cathodic Disbondment @ 23°C, 28 days	ISO 21809-3	13 mm rad
Low Temp. Flexibility	ASTM D2671-C	-32°C
Thickness		
Backing (nominal thickness as supplied)		0.6 mm (0.025")
Adhesive (nominal thickness as supplied)		0.9 mm (0.035")

* Actual temperature rating is dependant on specific project requirements and conditions. Please consult your local Canusa representative.



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

Consult your Canusa representative for specific projects or unique applications.

Canusa-CPS
A division of Shawcor Ltd.

Head Office

25 Bethridge Road
Toronto, ON, Canada M9W 1M7
Tel: +1 416 743 7111
Fax: +1 416 743 5927

Canada

Dome Tower St. 2200, 333-7th Avenue SW
Calgary, AB, Canada T2P 2Z1
Tel: +1 403 218 8207
Fax: +1 403 264 3649

Americas

5875 N. Sam Houston Pkwy W., Suite 200
Houston, TX, USA 77086
Tel: +1 281 886 2350
Fax: +1 281 886 2353

Middle East

ADPC - Mussafah Port, P.O. Box 2621
Abu Dhabi, UAE
Tel: +971 2 496 3500
Fax: +971 2 496 3501

Europe, Africa & Russia

Dellaertweg 9-E, Gebouw "Le Carrefour"
2316 WZ Leiden, The Netherlands (NL)
Tel: +31 71 80 802 70
Fax: +31 71 80 802 71

Asia-Pacific

101 Thomson Road, #11-03 United Square
307591 Singapore
Tel: +65 6749 8918
Fax: +65 6749 8919

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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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.



Universal Corrosion Coatings Pty. Ltd.
16 Sperry Drive, Tullamarine, VIC 3043, Australia
T: +61 3 9310 3515 | F: +61 3 9310 3524 | www.unicc.com.au

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