

# High Shrink Sleeves

## Sleeves for corrosion protection of high profile joints

Canusa High Shrink Sleeves are superior performance heat shrinkable products designed for corrosion protection of flanges, casings, bell and spigot joints and other high profile couplings. High Shrink Sleeves consist 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.

### Flexible & Reliable Installation

High Shrink products are available in three different configurations for flexibility of installation.

- The patented Wrapid Sleeve™ (WS) incorporates a one-piece pre-attached closure strip that has been factory applied resulting in quick and reliable field installation.
- The CanusaWrap™ (CW) configuration is supplied in a bulk roll, with separate closure seals, providing just-in-time customized lengths. This flexibility results in reduced inventories and cost savings on the job site.
- The CanusaTube™ (CT) consists of a unique tubular configuration that has been factory constructed, resulting in quick and reliable field installation.

### Long-Term Corrosion Protection

- Once installed, the High Shrink Sleeve products have excellent structural integrity, and provide the substrate with durable protection against mechanical and chemical attack. The high performance crosslinked backing provides superior abrasion resistance and can be engineered for regular or high stress environments. In combination with Canusa's high performance adhesives, the High Shrink Sleeve provides excellent resistance to cathodic disbondment resulting in effective long term corrosion protection.



### Applications



Couplings



Flanges



Tyton Joints



Step-Down Joints



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Operating Characteristics	Test Method	K-60	PMOF	PMA
Pipeline Operating Temp.		Up to 60°C (140°F)	Up to 50°C (122°F)	Up to 50°C (122°F)
Minimum Installation Temp.		65°C (150°F)	50°C (122°F)	60°C (140°F)
Main Line Coating Compatibility		PE, PP, FBE, PU, AE, CTE	PE, PU, FBE	PE, PU, FBE
Adhesive Properties				
Softening Point	ASTM E28	87°C	91°C	72°C
Lap Shear Strength	ISO 21809-3	35 N/cm <sup>2</sup>	30 N/cm <sup>2</sup>	60 N/cm <sup>2</sup>
Backing Properties				
Tensile Strength	ASTM D638	20 MPa	20 MPa	20 MPa
Elongation	ASTM D638	600%	600%	600%
Hardness	ASTM D2240	46 Shore D	46 Shore D	46 Shore D
Volume Resistivity	ASTM D257	10 <sup>17</sup> ohm-cm	10 <sup>17</sup> ohm-cm	10 <sup>17</sup> ohm-cm
Sleeve Properties				
Adhesion Strength @ 23°C	ISO 21809-3	15 N/cm	70 N/cm	10 N/cm
Impact Strength	ISO 21809-3	5 J/mm	5 J/mm	5 J/mm
Cathodic Disbondment	ASTM G8	8 mm rad	13 mm rad	13 mm rad
Low Temp. Flexibility	ASTM D2671	-14°C	-14°C	-32°C
DIN Approval	DIN 30 672	Class C30	-	Class C50



### Canusa-CPS A division of ShawCor Ltd.

#### Head Office

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

#### Canada

Suite 3200, 450 - 1st Street S.W.  
Calgary, AB T2P 5H1 Canada  
Tel: +1 403 218 8207  
Fax: +1 403 264 3649

#### Americas

2408 Timberloch Place, Building C-8  
The Woodlands, TX 77380 USA  
Tel: +1 281 367 8866  
Fax: +1 281 367 4304

#### Europe, Middle East, Africa & Russia

Unit 3, Sterling Park,  
Gatwick Road, Crawley, West Sussex  
RH10 9QT United Kingdom  
Tel: +44 1293 541254  
Fax: +44 1293 541777

#### Asia-Pacific




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

### Canusa-CPS is registered to ISO 9001:2008

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

PDS\_High Shrink Sleeves\_rev014

## Product Selection Guide

Pipe Diameter	Coupling 	Flange DIN 2633 PN 16 	Bell & Spigot (Tyton) 
DN 25 1"	PMA 70/25, 50/20	-	-
DN 32/40 1 1/2"	PMA 90/30	-	-
DN 50 2"	PMA 120/40	K-60 HS200 185/65	-
DN 65 2.5"	PMA 120/40	K-60 HS200 185/65	PMOF 200/70
DN 80 3"	PMA 170/80	K-60 HS200 200/70	PMOF 240/90
DN 100 4"	PMA 200/100	K-60 HS200 220/80	PMOF 240/90
DN 125 5"	PMA 255/130	K-60 HS200 315/110	PMOF 300/110
DN 150 6"	PMA 255/130	K-60 HS200 315/110	PMOF 300/110
DN 200 8"	PMA 425/210	K-60 HS200 340/120	PMOF 360/130
DN 250 10"	K-60 HS70 1500 mm	K-60 HS70 1400 mm	PMOF 470/170
DN 300 12"	K-60 HS70 1700 mm	K-60 HS70 1600 mm	PMOF 470/170
DN 400 16"	K-60 HS70 1950 mm	K-60 HS70 2100 mm	-
DN 500 20"	K-60 HS70 2250 mm	K-60 HS70 2300 mm	-

For pipe diameters > DN 500 (20"), consult your Canusa representative.

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.