

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 WrapidSleeve® (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 dis-bondment resulting in effective long term corrosion protection.

Applications



Couplings



Flanges



Tyton Joints



Step-Down Joints



High Shrink Sleeves

Operating Characteristics	Test Method	K-60	PMA
Pipeline Operating Temp.		Up to 60°C (140°F)	Up to 55°C (131°F)*
Minimum Installation Temp.		65°C (150°F)	60°C (140°F)
Main Line Coating Compatibility		PE, PP, FBE, PU, AE, CTE	PE, FBE
Adhesive Properties			
Softening Point	ASTM E28	87°C (189°F)	81°C (177°F)
Lap Shear Strength	ISO 21809-3	35 N/cm ²	> 90 N/cm ²
Backing Properties			
Tensile Strength	ASTM D638	20 MPa	20 MPa
Elongation	ASTM D638	600%	600%
Hardness	ASTM D2240	46 Shore D	46 Shore D
Volume Resistivity	ASTM D257	10 ¹⁷ ohm-cm	10 ¹⁷ ohm-cm
Sleeve Properties			
Adhesion Strength @ 23°C	ISO 21809-3	15 N/cm	> 30 N/cm
Impact Strength	ISO 21809-3	Pass	Pass
Cathodic Disbondment	ASTM G8 / ISO 21809-3	8 mm rad	< 13 mm rad
Low Temp. Flexibility	ASTM D2671	-14°C	-25°C
EN Approval	ISO 21809-3	-	Type 14A-1 50°C

*Actual temperature rating is dependent on specific project requirements and conditions. Please consult with your local Canusa-CPS representative.

Product Selection Guide

Couplings



Flanges



Bell & Spigot (Tyton)



PMA	K-60	Wrap-around K-60 High Shrink Sleeves
Supplied in Tubular Configuration		
PMA 50/20	-	Stretch Percentages: HS70 (70%) HS150 (150%) HS200 (200%) Configurations: CanusaWrap (CW) Pre-cut sleeves with separate closure Example: K-60 HS70 115-300 CW BK WrapidSleeve (WS) Pre-cut sleeve with pre-attached closure Example: K-60 HS200 185/65-450 WS BK Bulk roll (B) Bulk roll with a defined width and length Example: K-60 HS200-B 900-15 BK Pipe diameter: > 88.9mm (DN 80)
PMA 70/25	-	
PMA 90/30	-	
PMA 120/40	-	
PMA 155/90	K-60 HS100 155/90	
PMA 175/98	K-60 HA100 175/98	
PMA 180/100	K-60 HS100 180/100	
PMA 205/135	K-60 HS70 205/130	
PMA 240/155	K-60 HS70 230/140	
PMA 265/170	K-60 HS70 270/160	
PMA 315/200	K-60 HS70 310/195	
PMA 335/210	K-60 HS70 335/205	
PMA 380/240	K-60 HS70 380/230	
PMA 420/260	K-60 HS70 420/265	
Widths up to 600 mm available		Widths up to 900 mm available

XXX/YYY denotes supplied/recovered tube diameters in mm. Representative sizes shown only.

Consult your Canusa-CPS representative for other tube sizes.

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.



Quality Management system registered to ISO 900

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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