Canusa-CPS is a leading manufacturer of specialty pipeline coatings 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 a number of configurations to accommodate your specific project applications.

**Product Description**

CanusaWrap™ is a wraparound sleeve with a separate closure designed for corrosion protection of buried and exposed steel pipelines. CanusaWrap™ is supplied in bulk rolls consisting of a crosslinked polyolefin backing, coated with a protective heat activated adhesive. Once installed, the system effectively bonds and protects steel substrates and common main line pipe coatings including polyethylene and fusion bonded epoxy.

**Features & Benefits**

**Long-Term Corrosion Protection**

CanusaWrap™ provides excellent resistance to cathodic disbondment resulting in effective long term corrosion protection. The high performance crosslinked backing, in combination with a broad range of adhesives, can be engineered for regular or high stress environments. Once installed, CanusaWrap™ provides the structural integrity of a seamless tube, and provides the substrate with durable protection against abrasion and chemical attack.

**Flexibility on the Job Site**

Since CanusaWrap™ is supplied in bulk rolls, just-in-time customized lengths can be quickly cut in the field to protect any pipe size. This flexibility results in reduced inventories and cost savings on the job site. CanusaWrap™ is also available in a high shrink ratio for high profile joint protection. Consult the High Shrink data sheet or your Canusa representative for additional information.

**Easy Field Installation**

CanusaWrap™ can be installed quickly and easily in most environments. Since no special taping, priming or operator equipment is required, product installation is quick and labour costs are kept to a minimum. CanusaWrap™ and the closure seals are available in yellow with a thermochromic indicator and a patented Windoweld feature which visually confirms optimum installation.

**Applications**

- Oil & Gas
- Water Pipelines
- Polypropylene
- Pre-Insulated Pipes
- Girth-Weld Joints

**Configurations**

- CanusaWrap™
- 2-Layer
- Standard Shrink

**Pipe Sizes**

- 55 - 1520 (2” - 60”)

**Temperature Range**

- up to 80°C (176°F)
**Product Selection Guide**

Choose your sleeve based on Operating Temperature and Characteristics listed below.

### Pipeline Operating Temperature

<table>
<thead>
<tr>
<th>Celsius</th>
<th>Fahrenheit</th>
</tr>
</thead>
<tbody>
<tr>
<td>110°</td>
<td>212°F</td>
</tr>
<tr>
<td>90°</td>
<td>194°F</td>
</tr>
<tr>
<td>70°</td>
<td>158°F</td>
</tr>
<tr>
<td>50°</td>
<td>122°F</td>
</tr>
<tr>
<td>30°</td>
<td>86°F</td>
</tr>
</tbody>
</table>

- Minimum Installation Temperature: 50° (122°F) to 90° (195°F) for Mastic Adhesives
- Resistance to Circumferential Forces: fair, fair, good, good, good
- Resistance to Axial Pipe Movement: fair, fair, good, good, good
- Main Line Coating Compatibility: PE, PP, FBE, PU, Coal tar, Bitumen

### Sleeve Operating Characteristic

**How To Order:**

1. NN has an adhesive thickness of 1.1mm (45 mils)

- **WLO-B 450-30 BK**
  - **Bulk Roll Ordering Options**
    - **Heavy Duty Thickness (l):**
      - BK-Black, YE-Yellow
      - 1.7 mm (65 mils)
      - 1.25 mm (50 mils)
    - **Regular Thickness (l):**
      - 0.8mm (32 mils)
      - 115mm (4,6")
    - **Configuration:**
      - B - Bulk Roll Designation
      - L - 0.9 mm (36 mils)
      - T - 0.6 mm (25 mils)

- **Dimensions & Ordering Info**
  - **Sleeve/Closure Width:** 15, 30, 45, 60, 90mm, 12, 18, 24, 36"
  - **Bulk Roll Designation:**
    - W - Roll
    - L - 0.9 mm (36 mils)
    - T - 0.6 mm (25 mils)
  - **Adhesive (as supplied):**
    - Butyl Closure
  - **Back (as supplied):**
    - Butyl Closure

- **Bulk Roll Length:** up to 600 mm width: (100ft), above 600 mm width: (50ft)

- **Configuration:**
  - **B** - Bulk Roll Designation
  - **L** - 0.9 mm (36 mils)
  - **T** - 0.6 mm (25 mils)

- **Rolls:**
  - 1.7 mm (65 mils)
  - 1.25 mm (50 mils)

- **Configuration:**
  - B - Bulk Roll
  - L - 0.9 mm (36 mils)
  - T - 0.6 mm (25 mils)

- **Closure Seal Options:**
  - **CLL-B 10-15 ZZ Weldable Closure**
  - **CLL-B 10-15 ZZ Hot Melt Closure**
  - **CLL-B 10-15 ZZ Butyl Adhesive Closure**

- **Bulk Roll Length:**
  - 100mm (4")
  - 150mm (6")
  - 200mm (8")

- **Dimensions & Ordering Info**
  - **Sleeve/Closure Width:** 15, 30, 45, 60, 90mm, 12, 18, 24, 36"
  - **Rolls:**
    - Up to 600mm (24"")
    - Above 600mm (24"")

### Typical Product Properties

**Adhesive Test Standard**

- **Softening Point**
  - ASTM E28
  - DIN 30 672
  - N/cm (psi)

- **Lap Shear**
  - ASTM D638
  - DIN 30 672
  - Shore D

- **Specific Gravity**
  - ASTM D782
  - ASTM D638
  - Shore D

- **Tensile Strength**
  - ASTM D638
  - Shore D

- **Elongation**
  - ASTM D638

- **Hardness**
  - Shore D

- **Abrasion Resistance**
  - ASTM D109

- **Volume Resistivity**
  - ASTM D257

- **Dielectric Breakdown**
  - ASTM D149

- **Impact**
  - DIN 30 672

- **Indentation**
  - DIN 30 672

- **Adhesion**
  - DIN 30 672

- **Cathodic Disbondment**
  - ASTM G8

- **Water Absorption**
  - ASTM D70

- **Low Temp. Flexibility**
  - ASTM D2671C

- **DIN Approval**
  - DIN 30 672

- **Weldable Closure**
  - DIN 30 672

### How To Order:

- **WLC00-BK**
- **WLC00-CL**
- **WLC00-LS**
- **WLC00-CL**
- **WLC00-BS**

- **Configuration:**
  - **R** - Regular
  - **H** - Heavy Duty

- **Back (as supplied):**
  - Butyl Closure

- **Back (as supplied):**
  - Butyl Closure

- **Back (as supplied):**
  - Butyl Closure

- **Configuration:**
  - **B** - Bulk Roll
  - **L** - 0.9 mm (36 mils)
  - **T** - 0.6 mm (25 mils)

- **Rolls:**
  - 100mm (4")
  - 150mm (6")
  - 200mm (8")

- **Configuration:**
  - **B** - Bulk Roll
  - **L** - 0.9 mm (36 mils)
  - **T** - 0.6 mm (25 mils)

- **Rolls:**
  - 100mm (4")
  - 150mm (6")
  - 200mm (8")

- **Configuration:**
  - **B** - Bulk Roll
  - **L** - 0.9 mm (36 mils)
  - **T** - 0.6 mm (25 mils)

- **Rolls:**
  - 100mm (4")
  - 150mm (6")
  - 200mm (8")

**Contact Information:**

- **Canada**
  - CANUSA-CPS
  - a division of ShawCor Ltd.
  - 25 Bitherto Road
  - Rexdale, Ontario
  - M9W 1M7

- **U.S.A./Latin America**
  - CANUSA-CPS
  - a division of ShawCor Inc.
  - Building 2-8
  - The Woodlands, Texas
  - 77380, U.S.A.

- **Europe/Middle East**
  - CANUSA-CPS
  - a division of Canusa Systems Ltd.
  - Unit 3, Sterling Park
  - Waticken Road
  - Crawley, West Sussex
  - England RH10 9TQ

- **Asia/Pacific**
  - CANUSA-CPS
  - Bredeko Shaw (S) Pte Ltd
  - #05-31, Blk 52, Frontier
  - Ubi Avenue 3
  - Singapore
  - 408867

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the installation guide 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 installation guide is to be used as a guide and is subject to change without notice. This installation guide supersedes all previous installation guides on this product.