**Installation Guide**

**CanusaWrap™ K-60(L)**

Two-piece protective bulk roll with separate closure

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**Product Description**

- **Bulk Roll**
- **Closure**

**Storage & Safety Guidelines**

- To ensure maximum performance, store Canusa products in a dry, ventilated area. Keep products sealed in original cartons and avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental elements. Avoid prolonged storage at temperatures above 30°C (86°F) or below -20°C (-4°F). Product installation should be done in accordance with local health and safety regulations.

- These installation instructions are intended as a guide for standard products. Consult your representative for specific projects or unique applications.

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**Product Preparation Guidelines**

1. **Bulk Roll**
   - Pipe O.D.: ≤450mm (18")
     - 100 mm overlap
     - >450mm (18")
     - 150 mm overlap

2. **Closure**
   - Corner Cuts
     - ≤450mm Pipe O.D.: A - 50mm, B - 25mm
     - >450mm Pipe O.D.: A - 100mm, B - 50mm

**Surface Preparation**

- Ensure that the pipe is dry before cleaning. The steel joint area must be cleaned to a minimum of a wire brush finish. It is recommended to lightly abrade (with a hand tool) the pipe coating adjacent to the weld area to a distance of 50mm (2") beyond each end of the sleeve width.

- Ensure that the PE coating edges are beveled to 30°. Clean exposed steel and adjacent pipe coating with a solvent cleaner to remove the presence of oil, grease, and other contaminants.

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**Flame Intensity & Torch Size**

- Use moderate flame intensity for pre-heating and shrinking.
- Use moderate to high flame intensity for pre-heating and shrinking.

**Pre-Heat**

- Pre-heat the joint area to 30°C or 3°C above ambient. Using a temperature measuring device, ensure that the correct temperature is reached on the steel and at least 50mm (2") on each side of the sleeve.

**Surface Preparation**

- Wipe clean or air blast the steel and pipe coating to remove foreign contaminants.

**Equipment List**

- Propane tank, hose, torch & regulator
- Appropriate tools for surface abrasion: Knife, roller, rags & Canusa approved solvent cleanser
- Digital thermometer with suitable probe
- Standard safety equipment: gloves, goggles, hardhat, etc.

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**CanusaWrap™ K-60(L) Sleeve Cutting Guidelines**

As a guideline, cut the required lengths of Sleeve material (L) and Closure material (W) from the bulk roll as follows.

- L = Coated Pipe circumference + overlap dimension
- W = Sleeve Width

**Equipment List**

- Minimum Torch Size: 150,000 BTU/hr.
- Minimum Torch Size: 300,000 BTU/hr.

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**CanusaWrap™ K-60(L) is typically shipped in bulk rolls. The adhesive is protected from contamination by an inner liner. Closures are shipped either in bulk rolls or pre-cut.**

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**Part No. 99060-022**

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CANUSA-CPS is registered to ISO 9001 :2008
After shrinking is complete, allow the sleeve to cool for 2 hours prior to lowering and backfilling. To prevent damage to the sleeve, use selected backfill material, (no sharp stones or large particles) otherwise an extruded polyethylene mesh or other suitable shield should be used.

CanusaWrap™ K-60(L)

Sleeve Installation

1. Partially remove the release liner and gently heat the underlap approximately 150mm (6") from the edge.
2. Centre the sleeve over the joint so that the sleeve overlaps between the 10 and 20' clock positions. Press the underlap firmly into place and remove the remaining release liner.
3. Wrap the sleeve loosely around the pipe, ensuring the appropriate overlap. Gently heat the backing of the underlap and the adhesive side of the overlap. Press the overlap into place.
4. Gently heat the underside of closure patch to soften adhesive.

Inspection

15A. Centre the closure patch on the overlapping sleeve, press down firmly.
15B. Gently heat the closure and put it down with a gloved hand. Repeating this procedure, move from one side to the other. Smooth any wrinkles by gently working them outward from the centre of the closure with a roller.
16. Using the appropriate sized torch, begin at the centre of the sleeve and heat circumferentially around the pipe. Use broad strokes. If utilizing two torches, operators should work on opposite sides of pipe.
17. Continue heating from the centre toward one end of the sleeve until recovery is complete. In a similar manner, heat and shrink the remaining side.
18. Shrinking has been completed when the adhesive begins to ooze at the sleeve edges all around the circumference. Finish shrinking the sleeve with long horizontal strokes over the entire surface to ensure a uniform bond.

Backfilling Guidelines

After shrinking is complete, allow the sleeve to cool for 2 hours prior to lowering and backfilling. To prevent damage to the sleeve, use selected backfill material, (no sharp stones or large particles) otherwise an extruded polyethylene mesh or other suitable shield should be used.

Universal Corrosion Coatings Pty Ltd
16 Sperry Drive, Tullamarine Victoria, Australia 3043
Ph: 61 3 9310 3515 Fax: 61 3 9310 3524 Web: www.unicc.com.au

The above information is given in good faith based on data and knowledge considered to be true and accurate and is offered for the user’s assistance.