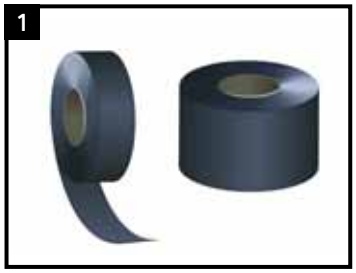
CANUSA-CPS
Corrosion Protection & Sealing

WrapidTape

HCA, HCO, HC-65
Primer-less, Crosslinked, Corrosion Protection Tape.

Product Description

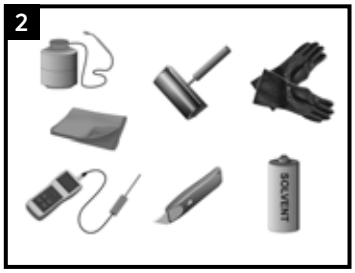
1



Canusa WrapidTape is supplied in 15 m length bulk rolls, in several widths to suit the project diameter.

Equipment List

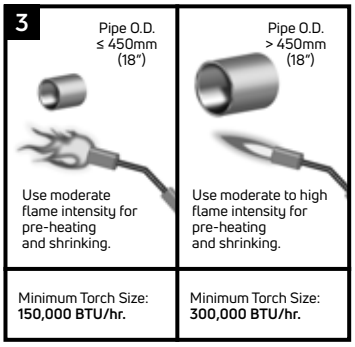
2



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

Flame Intensity & Torch Size

3



Surface Preparation

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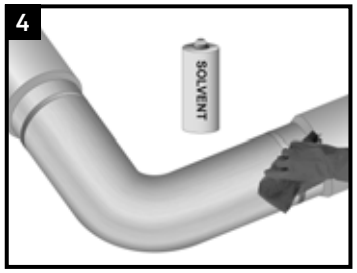

Ensure that the PE coating edges are beveled to 30°. Clean exposed steel and adjacent pipe coating with a solvent cleanser to remove the presence of oil, grease, and other contaminants.

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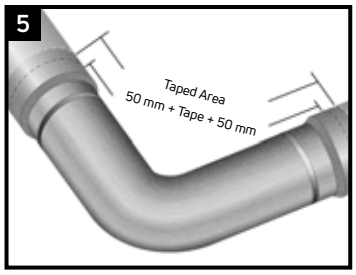

Ensure that the pipe is dry before cleaning. Prepare the steel joint area to a minimum of St3/SP3 (Sa 2½ recommended). Lightly abrade the pipe coating adjacent to the weld area to a distance of 50mm (2") beyond each end of the area to be taped.

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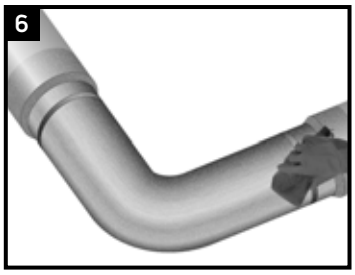

Wipe clean or air blast the steel and pipe coating to remove foreign contaminants.

Pre-Heat

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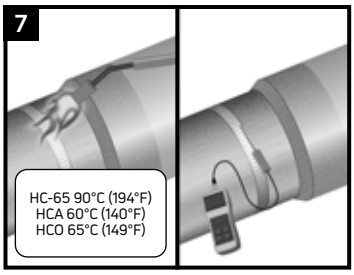

Pre-Heat the joint area to the minimum required temperature. Using a temperature measuring device, ensure that the correct temperature is reached on the steel and at least 50mm (2") on each side of the tape.

Tape Installation

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Starting at least 50mm (2") onto the pipe coating, begin wrapping the tape around the joint, ensuring a minimum 50% spiral overlap. Ensure that the adhesive side is placed onto the pipe. Remove any plastic release liners as the product is wrapped.

9

Continue wrapping the pipe ensuring a minimum 50% overlap.

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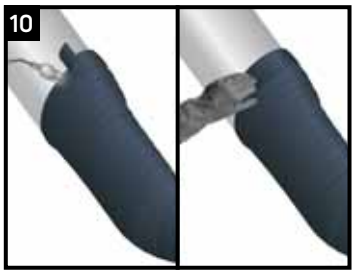

Warm the tape end and press down firmly. A hold- down tape can be used to secure the tape end.

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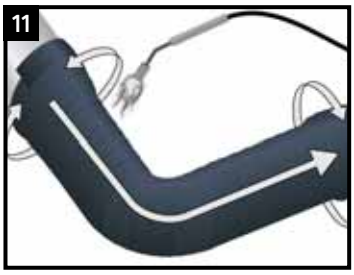

Using a torch, begin at the edge of the tape and heat circumferentially around the joint, working back to the other edge.

Inspection

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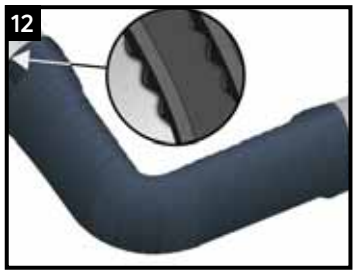


Visually inspect the taped joint for the following:

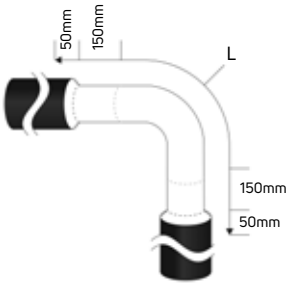
- Tape is in full contact with the joint and extends 50mm (2") onto the pipe coating.
- Adhesive flows at the tape edges.
- No cracks or holes in the tape.

Tape Usage Guide

Material Usage Table

Nominal Pipe Diameter		Recommended Tape Width		Length of Tape Required			
				3D Bend		5D Bend	
DN	inches	mm	inches	m	feet	m	feet
25	1	50	2	2.8	9.3	2.8	9.3
40	1.5	50	2	4.0	13.2	4.6	15
50	2	50	2	5.2	17	6.2	20.3
80	3	50	2	8.5	28	10.6	34.7
100	4	50	2	12.3	40	14.8	48.6
125	5	75	3	11.1	36.4	13.6	44.6
150	6	75	3	14.3	46.9	18.3	60
200	8	100	4	16.3	53.4	20.8	68.2
250	10	100	4	23.1	75.8	30.6	100.4
300	12	100	4	30.4	99.8	40.9	134.2
> 300	> 12	150	6	see formula at right			

The table at left shows the typical usage for 3D and 5D bends, assuming a line coating cutback of 150 mm (6") and a 50 mm (2") overlap onto the pipe coating.



For other sizes, the following formula can be used:
Length of tape = π x pipe diameter x L/W
where L=length of area to be covered, and
W= ½ of tape width (for 50% overlap)

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.

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 35°C (95°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 Canusa representative for specific projects or unique applications at info@canuscps.com.

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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 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. E&OE

Part No. 99060-016

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