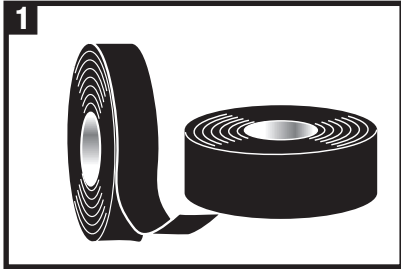




# Wrapid Tape™

### HCA, HCO Primerless Crosslinked Protective Tape

## Installation Guide



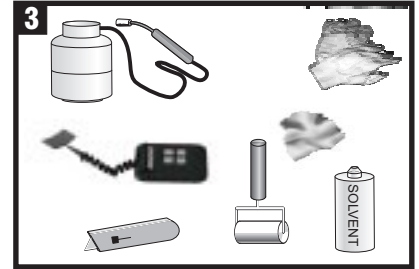
Canusa Wrapid Tape™ is supplied in single 15 meter length rolls, (in a variety of widths.)

### Storage & Safety Guidelines

**2** 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.

### Equipment List

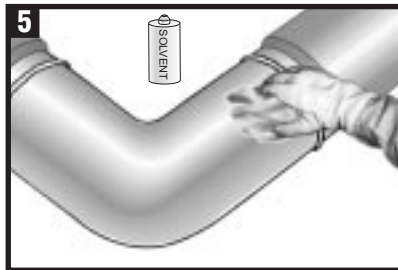


Propane tank, hose, torch & regulator  
Appropriate tools for surface abrasion  
Knife, roller, rags & approved solvent cleanser  
Digital thermometer with suitable probe  
Standard safety equipment; gloves, goggles, hard hat, etc.

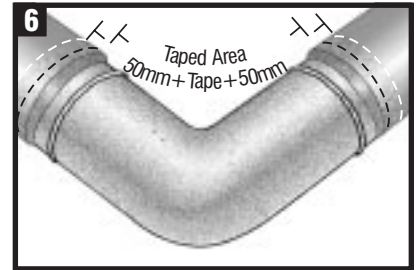
### Flame Intensity & Torch Size

<b>4</b>	<b>Pipe O.D. ≤ 450mm (18")</b>	<b>Pipe O.D. &gt; 450mm (18")</b>
	Use <i>moderate</i> flame intensity for pre-heating and shrinking.	Use <i>moderate to high</i> flame intensity for pre-heating and shrinking.
	Minimum Torch Size: <b>150,000 BTU/hr.</b>	Minimum Torch Size: <b>300,000 BTU/hr.</b>

### Surface Preparation

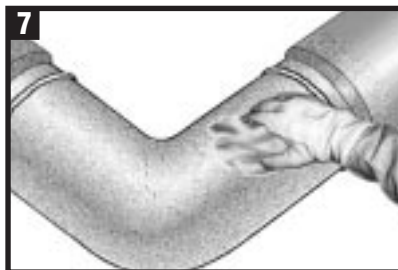


Ensure that the PE coating edges are beveled to 30°. Clean exposed steel and adjacent pipe coating with a solvent cleanser to remove the presence of oil, grease, and other contaminants.

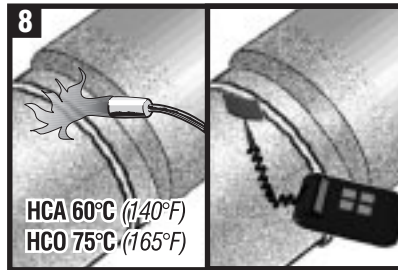


Ensure that the pipe is dry before cleaning. Prepare the steel joint area to a minimum of St3/SP3. Lightly abrade the pipe coating adjacent to the weld area to a distance of 50mm (2") beyond each end of the area to be taped.

### Pre-Heat

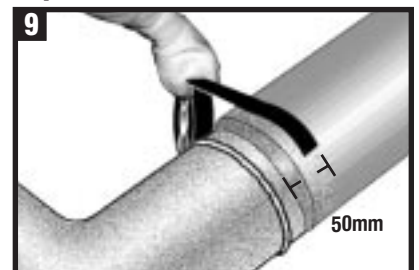


Wipe clean or air blast the steel and pipe coating to remove foreign contaminants.

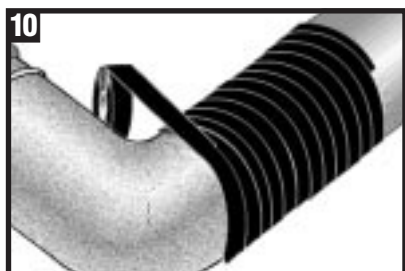


Pre-Heat the joint area to the minimum required temperature **HCA**; 60°C (140°F) **HCO**; 75°C (165°F). Using a temperature measuring device, ensure that the correct temperature is reached on the steel and at least 50mm (2") on each side of the tape.

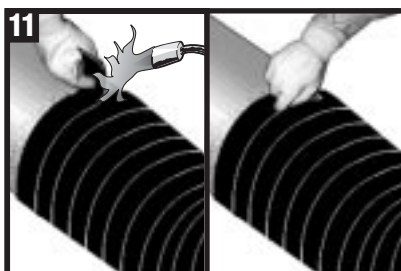
### Tape Installation



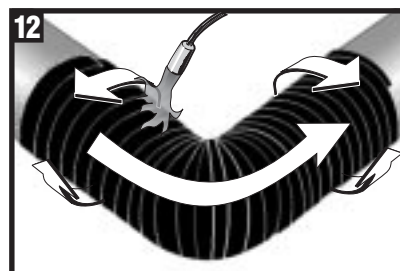
Starting at least 50mm (2") onto the pipe coating, begin wrapping the tape around the joint, ensuring a minimum 25mm (1") spiral overlap.



Continue wrapping the pipe ensuring a minimum 50% overlap.

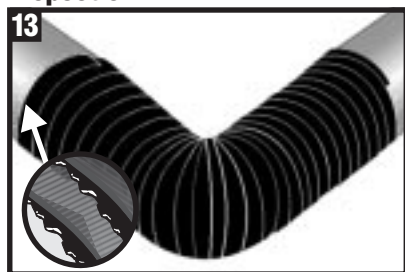


Warm the tape end and press down firmly. A hold down tape can be used to secure the tape end.



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

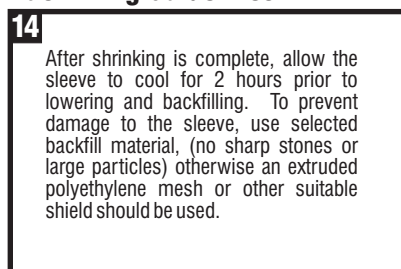
## Inspection



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.

## 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.

## Tape Usage Guide

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 =  $\pi$  x pipe diameter x L/W**  
 where L=length of area to be covered, and  
 W= 1/2 of tape width (for 50% overlap)



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