CANUSA CPS
A SHAWCOR COMPANY

With Primer

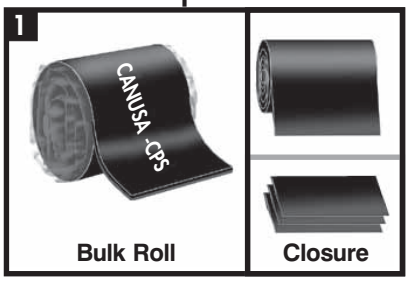
InstallationGuide

CanusaWrap™ Aqua-Shield AQW

Two-piece protective bulk roll with separate closure

Product Description

1



CanusaWrap™ AQW 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.

Storage & Safety Guidelines

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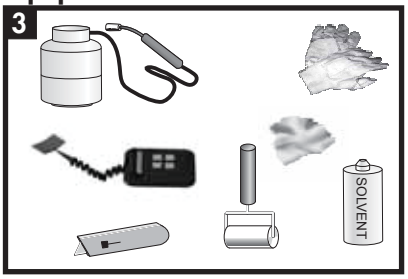
To ensure maximum performance, store Canusa products in a dry, ventilated area. Keep products sealed in original cartons and avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental elements. Avoid prolonged storage at temperatures above 35°C *(95°F)* or below -20°C *(-4°F)*. 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 representative for specific projects or unique applications.

Equipment List

3



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.

Product Preparation Guidelines

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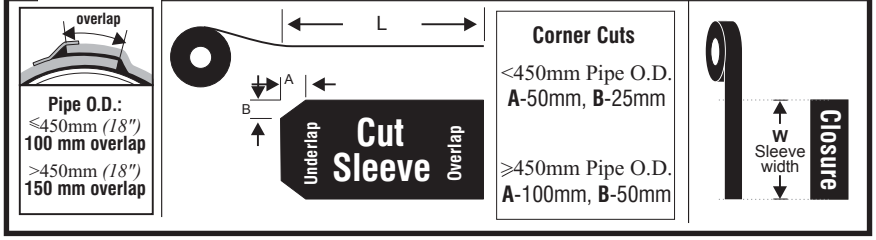

As a guideline, cut the required lengths of Sleeve material (L) and Closure material (W) from the bulk roll as follows.

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

Ensure that the sleeve and closure are not damaged or contaminated. Trim corners as shown .

Please see"**CanusaWrap™ WLS Sleeve Cutting Guideline**" for more information on alternative cutting methods.

Flame Intensity & Torch Size

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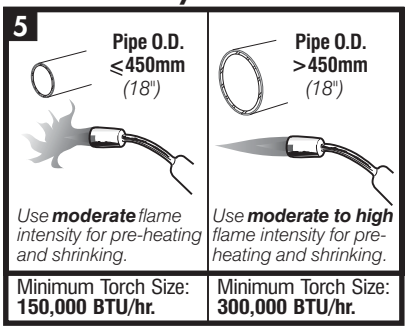

*Use **moderate** flame intensity for pre-heating and shrinking.*	*Use **moderate to high** flame intensity for pre-heating and shrinking.*
Minimum Torch Size: **150,000 BTU/hr.**	Minimum Torch Size: **300,000 BTU/hr.**

SurfacePreparation

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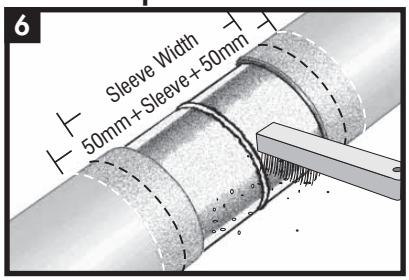

Ensure that the pipe is dry before cleaning. The steel joint area must be cleaned to a minimum of a wire brush finish. It is recommended to lightly abrade (with a hand tool) the pipe coating adjacent to the weld area to a distance of 50mm(2") beyond each end of the sleeve width.

Surface Preparation

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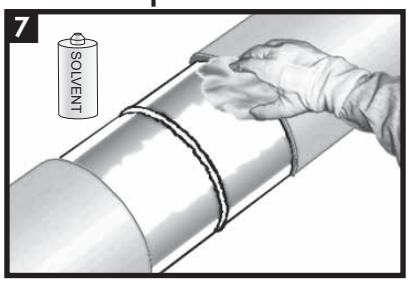

Ensure that the PE coating edges are beveled to 30°.Clean exposed steel and adjacent pipe coating with a solvent cleanser to remove the presence of oil, grease, and other contaminants.

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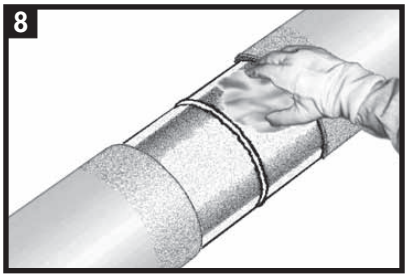

Wipe clean or air blast the steel and pipe coating to remove foreign contaminants.

Pre-Heat

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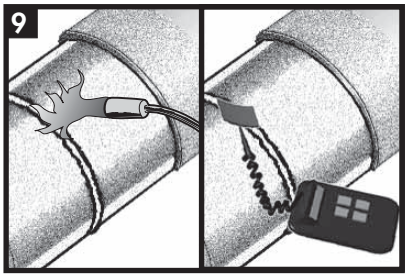

Pre-heat the joint area to 20°C. Using a temperature measuring device, ensure that the correct temperature is reached on the steel and at least 50mm(2") on each side of the sleeve.

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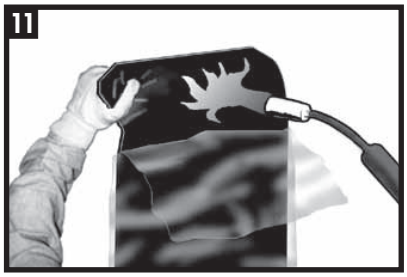
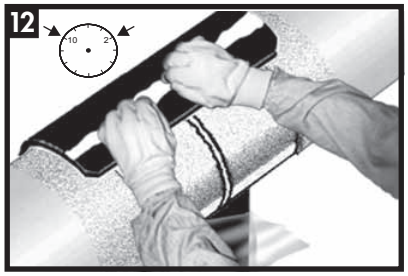
Coat the steel surface and 50mm on to the Sintakote at each side of joint with UCC Protek Butyl Multi Primer.

CanusaWrap™ Aqua-Shield AQW

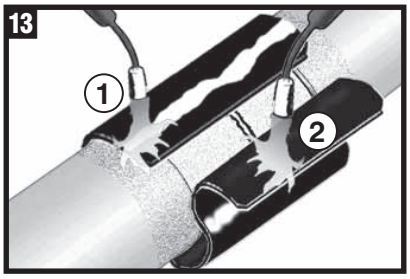
Sleeve Installation



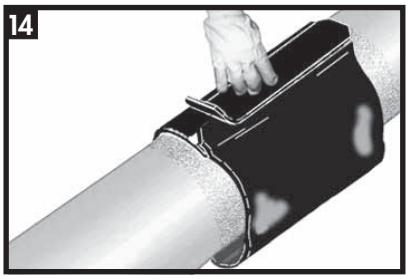
Partially remove the release liner and gently heat the underlap approximately 150mm(6") from the edge.



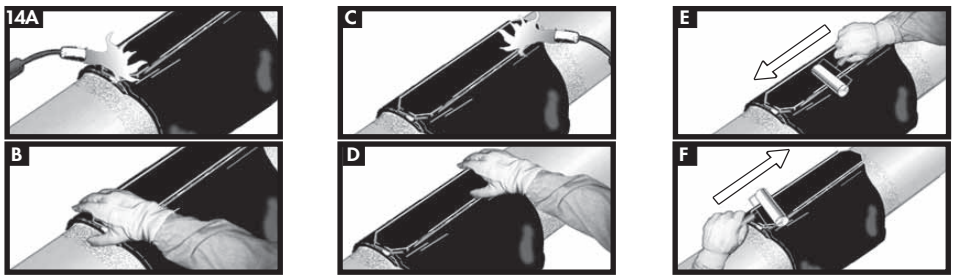
Centre the sleeve over the joint so that the sleeve overlaps between the 10 and 2o' clock positions. Press the underlap firmly into place and remove the remaining release liner.



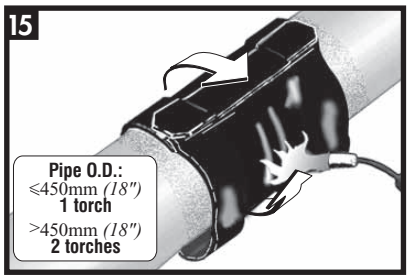
Wrap the sleeve loosely around the pipe, ensuring the appropriate overlap. Gently heat the backing of the underlap and the adhesive side of the overlap. Press the overlap into place.



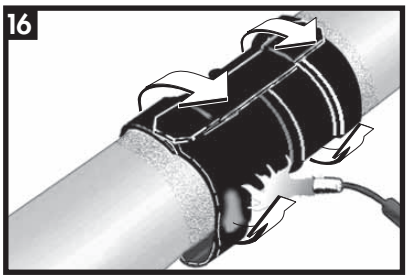
Centre the closure patch on the overlapping sleeve, press down firmly.



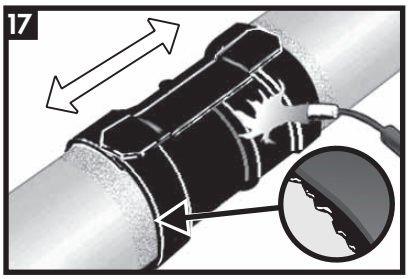
Gently heat the closure and pat it down with a gloved hand. Repeating this procedure, move from one side to the other. Smooth any wrinkles by gently working them outward from the centre of the closure with a roller.



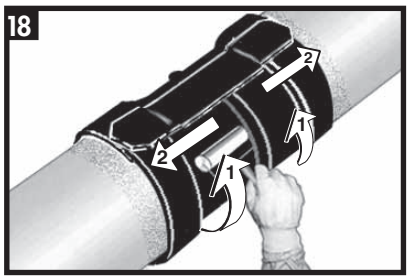
Using the appropriate sized torch, begin at the centre of the sleeve and heat circumferentially around the pipe. Use broadstrokes. If utilizing two torches, operators should work on opposite sides of pipe.



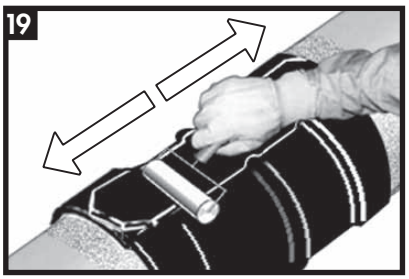
Continue heating from the centre toward one end of the sleeve until recovery is complete. In a similar manner, heat and shrink the remaining side.



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.

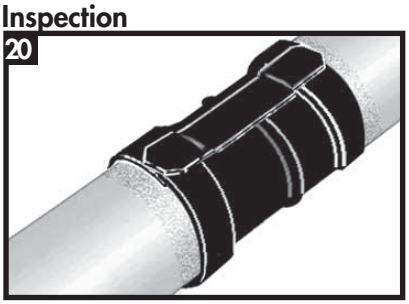


While the sleeve is still hot and soft, use a hand roller to gently roll the sleeve surface and push any trapped air up and out of the sleeve, as shown above. If necessary, reheat to roll out air.



Continue the procedure by also firmly rolling the closure with long horizontal strokes from the weld outwards.

Inspection



Visually inspect the installed sleeve for the following:

- Sleeve is in full contact with the steel joint.
- Adhesive flows beyond both sleeve edges.
- No cracks or holes in sleeve backing.

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.

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