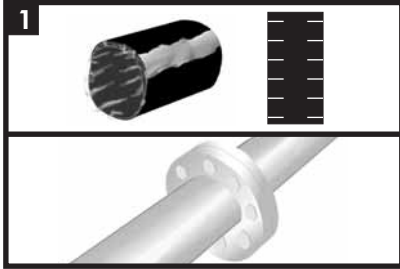


CanusaTube™ - PMOF

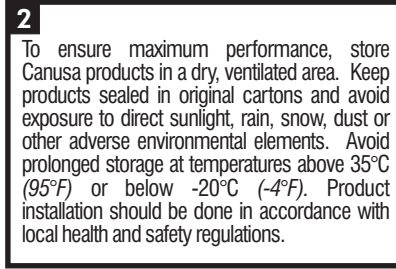
High shrink, tubular sleeve for flange joints

Product Description



The Canusa PMOF high shrink tubular sleeve is used for flange joint applications. It is shipped with a release liner which protects the adhesive and a protective skirting to protect against jagged edges.

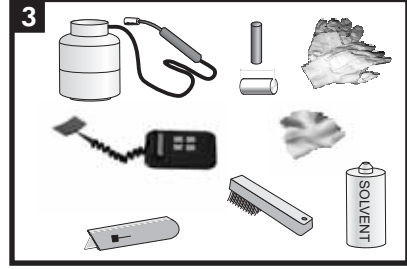
Storage & Safety Guidelines



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.

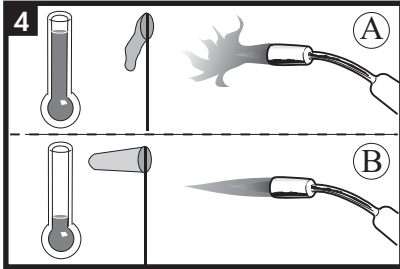
These installation instructions are intended as a guide for standard products. Consult your Canusa representative for specific projects or unique applications.

Equipment List



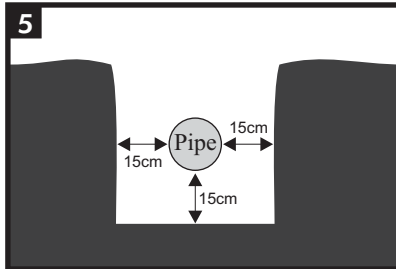
Propane tank, hose, torch & regulator
Wire brush for surface abrasion
Knife, roller, rags & approved solvent cleanser
Temperature measuring device
Standard safety equipment; gloves, goggles, hard hat, etc.

Flame Intensity & Torch Size



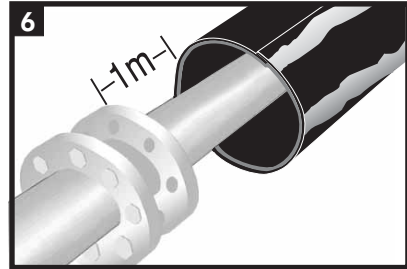
Adjust the flame according to outside conditions.
a. Use yellow flame for low wind, higher temperatures
b. Use blue flame for high wind, lower temperatures
Always aim the torch perpendicular to the pipe and move in a circumferential direction.

Backfilling Trench



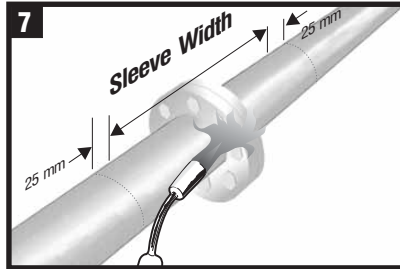
Ensure there is adequate work space area around the pipe in the backfilling trench.

Sleeve Preparation



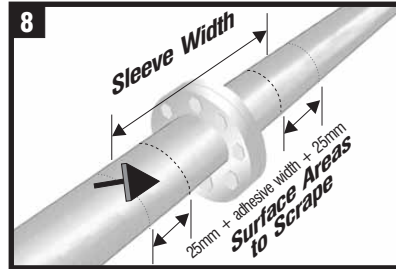
Before joining together the two pipes, slide the CanusaTube sleeve at least 1 metre away from the joint area.

Pre-Warm and Drying



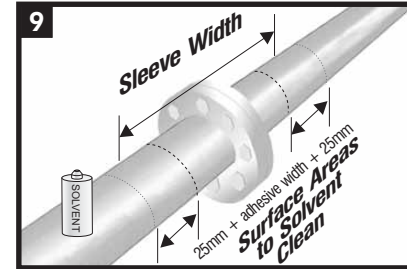
Using the torch and a medium flame, pre-warm and dry the entire sleeve width + 25 mm (1") on each side. Take precaution not to damage the rubber flange seal.

Coating Scraping



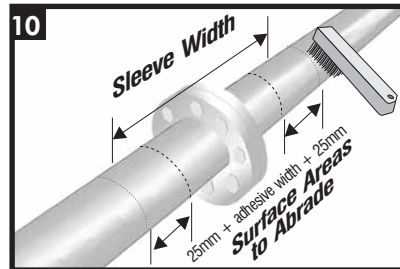
Using a triangular scraper, clean the edges of the pipeline coating to remove any sharp corners or burrs.

Solvent Cleaning



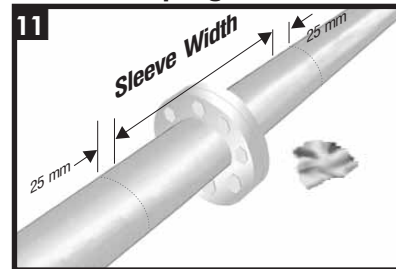
Clean the polyethylene coating where the adhesive of the sleeve is going to be applied (100mm on each side) with a grease and lint-free rag soaked in ethanol (94% minimum).

Surface Abrasion



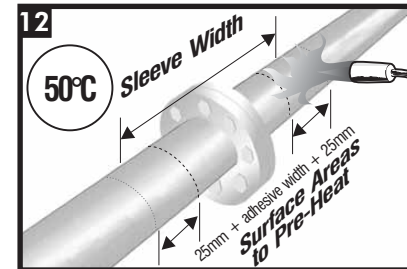
Ensure that the pipe is dry before cleaning. Prepare the surface areas to a minimum of St2/SP2.

Surface Wiping



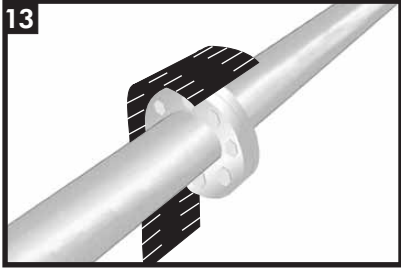
Using a dry, grease and lint-free rag, wipe clean or air blast the entire sleeve width + 25 mm (1") on each side to remove any foreign contaminants.

Pre-Heat

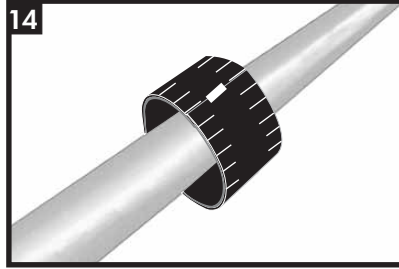


Pre-heat the surface areas to a minimum of 50 °C (122°F). Using a temperature measuring device, ensure that the correct temperature has been reached.

Protective Skirting Installation

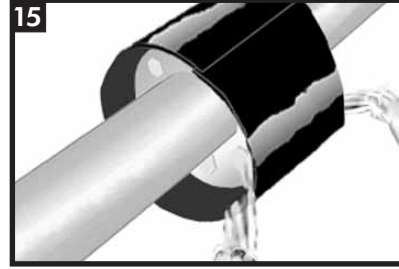


Centre the protective skirting over the flange. Using the tape provided, attach the skirting to the flange. Begin wrapping the protective skirting around flange tightly.



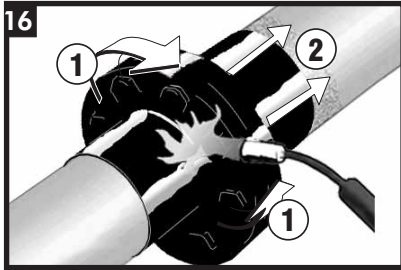
Finish wrapping the protective skirting around the flange. Using the supplied tape, firmly attach the protective skirting around the flange.

Release Liner



Centre the sleeve over the flange joint with the weld area facing upwards. If the Flange is not circular, position the weld seam at the minimum radius point. Completely remove both release liners from the adhesive strips.

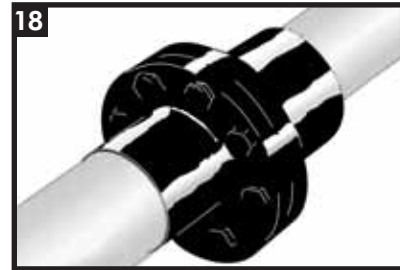
Sleeve Installation



Using broad strokes, heat the sleeve circumferentially around the pipe starting at the flange joint. Ensure the weld area receives minimal heating. Continue heating from the centre of the sleeve until sleeve recovery is complete around the flange.

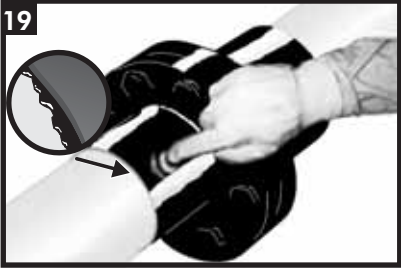


In a similar manner, heat and shrink the sleeve on one side of the flange. Repeat for other side. Shrinking has been completed when the adhesive begins to ooze at the sleeve edges all around the circumference.



In order to avoid a channel formation at the step down, the sleeve should be pressed down. Special attention should be given along the circumference between 4 and 8 o'clock positions.

Finger Probe



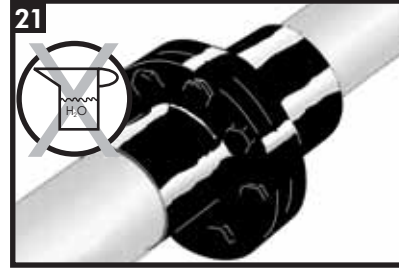
While sleeve is still hot and soft, use a gloved hand or roller to push any trapped air out of the sleeve. The sleeve should be in full contact with the joint, have adhesive flow beyond both sleeve edges, and the backing should not have cracks or holes.

Finger Tip Test



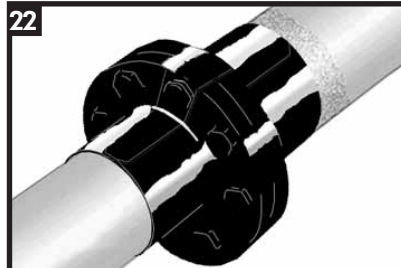
Ensure the sleeve follows the contour of the surface and that there are no cold spots or burning of the sleeve. The edges should be checked for adhesive ooze and lifting by feeling the edges all around the circumference of the sleeve. If there is edge lifting, the edge should be reworked with additional heat.

Do Not Quench



Do not cool sleeve by using water to quench. Please allow the sleeve to cool naturally.

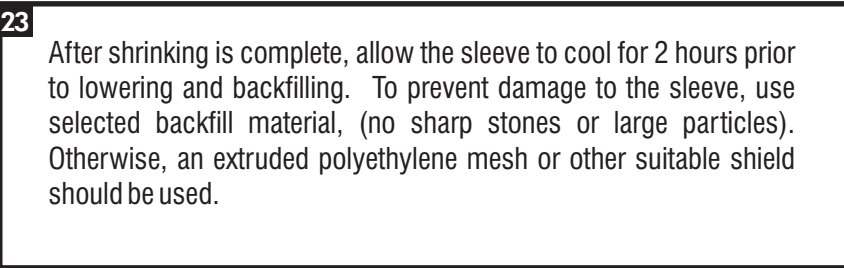
Inspection



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



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