

## CanusaTube™ - PLX

### Water stop for pre-insulated pipe ends

#### Product Description



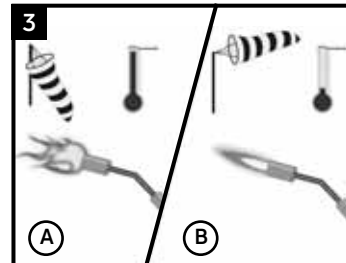
The CanusaTube™ PLX is shipped without adhesive. SFL S1135 Adhesive may also be supplied to seal the PLX sleeve ends.

#### Equipment List



Propane tank, hose, torch & regulator; Wire brush, sand paper, triangular scraper; Knife, rags & appropriate solvent (e.g. Ethanol or Isopropyl alcohol); Temperature measuring device, ruler, pencil, Standard safety equipment; gloves, goggles, hard hat, etc.

#### Flame Intensity



Adjust the flame according to outside conditions.

- Use bluish-yellow flame for low wind, higher temps.
- Use blue flame for high wind, lower temperatures.

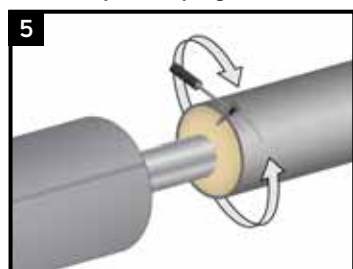
Always aim the torch perpendicular to the pipe and move in a circumferential direction.

#### PLX Preparation



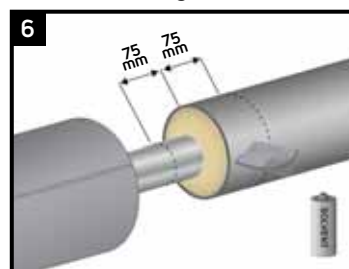
Before welding together the carrier pipe, slide the CanusaTube™ PLX over the service pipe.

#### Jacket Pipe Scraping



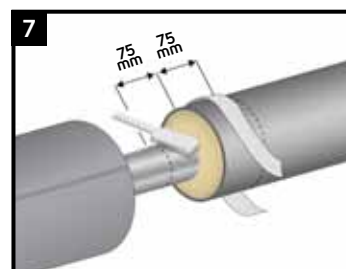
Using a triangular scraper, clean the edge and top of the jacket pipe to remove any sharp corners and burrs.

#### Solvent Cleaning



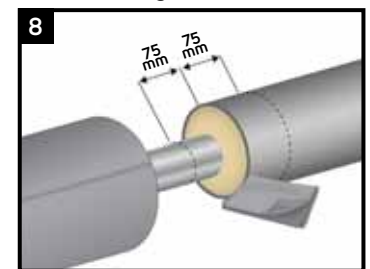
De-grease the surface of the jacket pipe using a grease and lint-free rag soaked in solvent cleaner.

#### Surface Abrasion



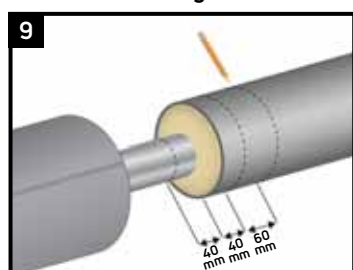
Using sandpaper (40-60 grade), roughen the jacket pipe for 75 mm from the edge of the cutback. Using a wire brush, roughen the service pipe for 75 mm from the edge of the cutback.

#### Final Cleaning



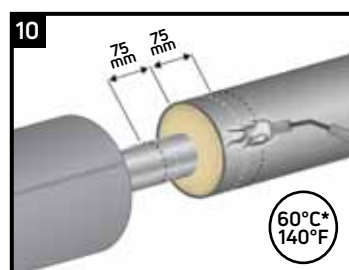
Using a dry, grease and lint-free rag, clean the roughened surface to remove any polyethylene or sand particles.

#### Positional Markings



Use a grease pencil to mark the placement of the sealant strips (approximately 40 mm away from the cutback) and the sleeve edge (approximately 100 mm away from the cutback).

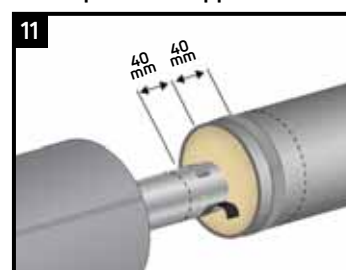
#### Pre-Warm



Using the torch, pre-warm the surface to be covered with the PLX (jacket pipe and service pipe) to 60°C. **Do not burn the foam.**

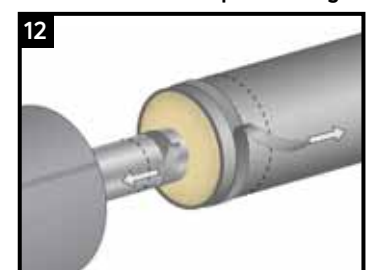
\*Alternative adhesives are available and pre-heat temperatures may vary. Please contact your local Canusa-CPS representative for more details.

#### End Cap Sealant Application



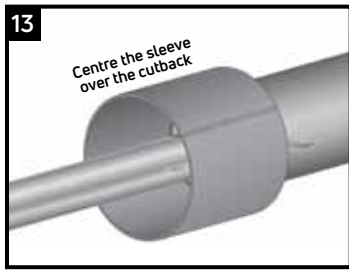
Wrap the SFL S1135 Adhesive around the jacket pipe and the service pipe approximately 40 mm from the edge of the cutback. Overlap the adhesive by 25 mm. **Do not remove the release paper.**

#### Sealant Release Paper Folding



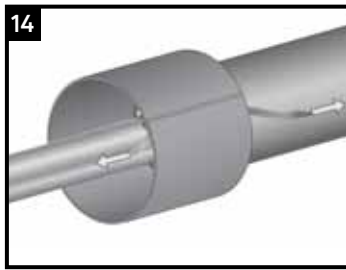
Fold the sealant release paper away from the cutback to make it easier to remove when the PLX is positioned over the profile.

## PLX Positioning



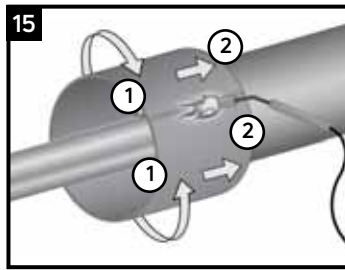
Centre the CanusaTube™ PLX over the sealing area. Ensure the PLX will overlap the jacket and service pipes by at least 50 mm. Ensure the edge of the PLX lines up with the markings on the jacket pipe.

## Release Paper Removal

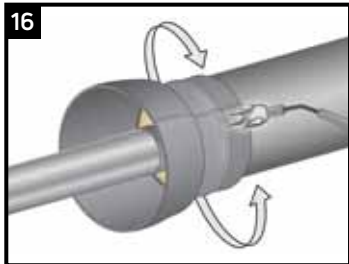


Carefully (without moving the PLX), reach under the PLX and remove the release liner from both of the sealant strips. Firmly, press the top of the PLX onto the jacket pipe sealant.

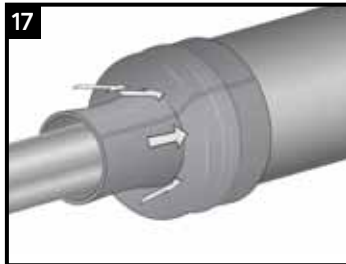
## PLX Installation



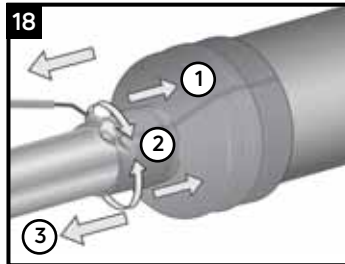
Using the torch and heating circumferentially, begin shrinking the jacket pipe end of the CanusaTube™ PLX around the jacket pipe starting from the middle and work towards the end. Using a gloved hand, press the PLX firmly into the wall of the pre-insulated pipe.



Continue shrinking circumferentially until the PLX is fully recovered around the jacket pipe and the sealant becomes visible.

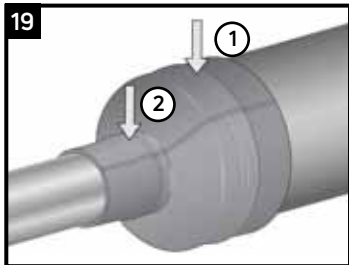


Using a gloved hand, firmly press the transition area of the PLX against the face of the profile around the entire circumference.



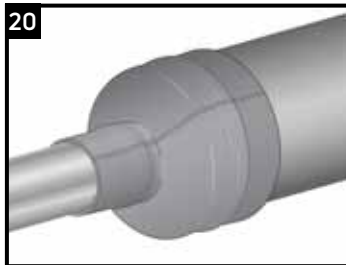
Shrink the service pipe side of the PLX. Circumferentially, heat from the cutback to the end of the sleeve. Continue heating until the PLX is fully recovered around the service pipe and a profile of the sealant is visible.

## Quality Check (Finger Test)



Using a gloved hand and the end of a finger, press the sealant strips on the jacket and service pipes to ensure they have softened.

## Visual Inspection



Visually inspect the installed sleeve for the following:

- Sleeve is in full contact with the sealing area.
- Sleeve conforms to the pre-insulated pipe profile.
- Sleeve covers most or part of the sealant strip.
- No cracks or holes in sleeve backing.

## Backfilling Guidelines

After shrinking is complete, allow the CanusaTube™ PLX to cool to below the intended operating temperature of the pipeline before backfilling. To prevent damage to the , use selected backfill material (no sharp stones or large particles).

## 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. SFL S1135 adhesive has unlimited shelf life.

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

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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. 99060-108

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