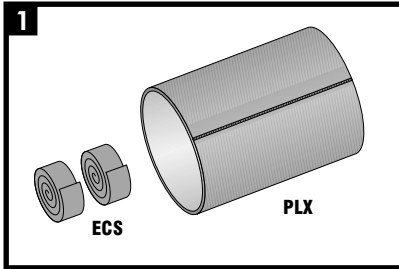


CanusaTube™ - PLX

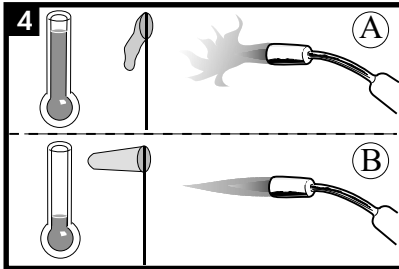
Water stop for pre-insulated pipe ends

Product Description



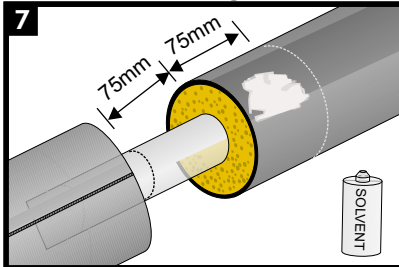
The CanusaTube™ PLX is shipped without adhesive. End Cap Sealant - ECS may also be supplied to seal the PLX sleeve ends.

Flame Intensity



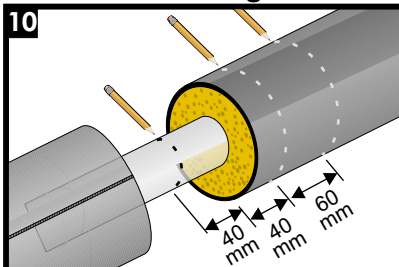
Adjust the flame according to outside conditions.
 a. Use yellow flame for low wind, higher temperatures
 b. Use blue flame for high wind, lower temperatures
 Always aim the torch perpendicular to the pipe and move in a circumferential direction.

Solvent Cleaning



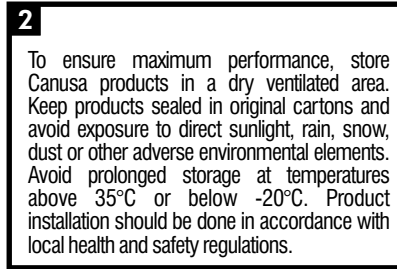
De-grease the surface of the jacket pipe using a grease and lint-free rag soaked in solvent cleaner.

Positional Markings



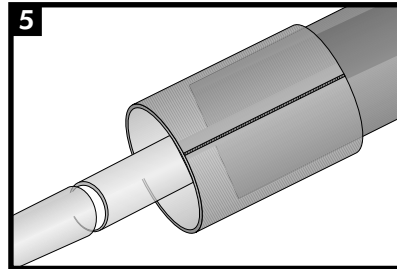
Use a grease pencil to mark the placement of the sealant strips (approximately 40 mm away from the cutback) and the sleeve edge (approximately 100 mm away from the cutback).

Storage & Safety Guidelines



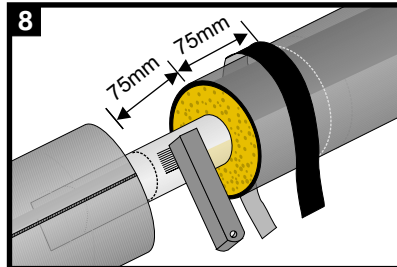
To ensure maximum performance, store Canusa products in a dry ventilated area. Keep products sealed in original cartons and avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental elements. Avoid prolonged storage at temperatures above 35°C or below -20°C. Product installation should be done in accordance with local health and safety regulations.

PLX Preparation



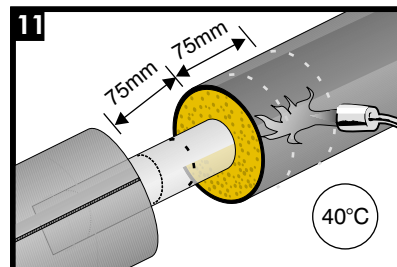
Before welding together the carrier pipe, slide the CanusaTube™ PLX over the service pipe.

Surface Abrasion



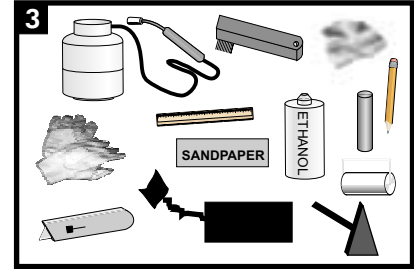
Using sandpaper (40-60 grade), roughen the jacket pipe for 75 mm from the edge of the cutback. Using a wire brush, roughen the service pipe for 75 mm from the edge of the cutback.

Pre-Warm



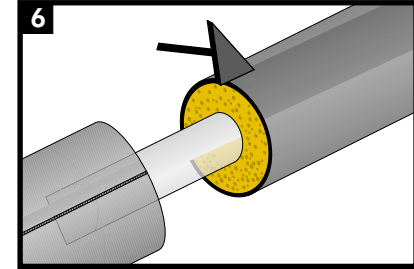
Using the torch, pre-warm the surface to be covered with the PLX (jacket pipe and service pipe) to 40°C. **Do not burn the foam.**

Equipment List



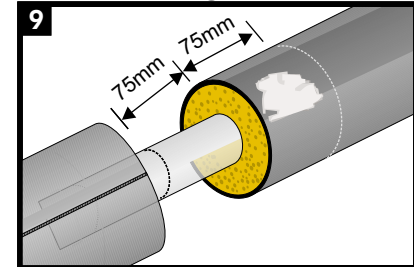
Propane tank, hose, torch & regulator, Wire brush, sand paper, triangular scraper, Knife, rags & appropriate solvent cleanser, (e.g. Ethanol or Isopropyl alcohol) Temperature measuring device, ruler, pencil, Standard safety equipment; gloves, goggles, hard hat, etc.

Jacket Pipe Scraping



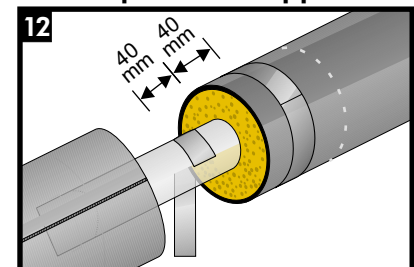
Using a triangular scraper, clean the edge and top of the jacket pipe to remove any sharp corners and burrs.

Final Cleaning



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

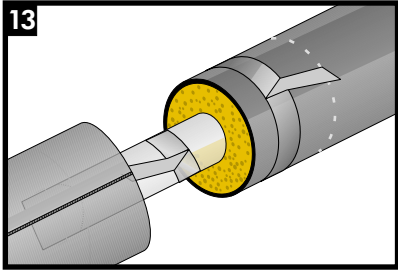
End Cap Sealant Application



Wrap the End Cap Sealant - ECS 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.**

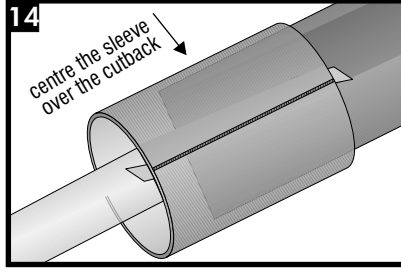
CanusaTube™ - PLX

Sealant Release Paper Folding



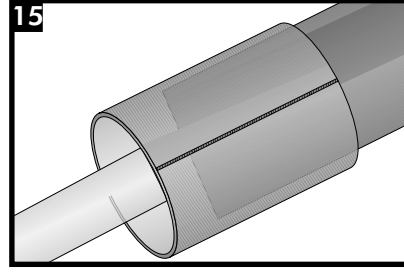
Fold the sealant release paper away from the cutback to make it easier to remove when the PLX is positioned over the profile.

PLX Positioning



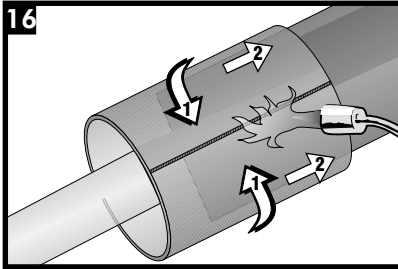
Centre the CanusaTube™ PLX over the sealing area. Ensure the PLX will overlap the jacket and service pipes by at least 50 mm. **Ensure the edge of the PLX lines up with the markings on the jacket pipe.**

Release Paper Removal

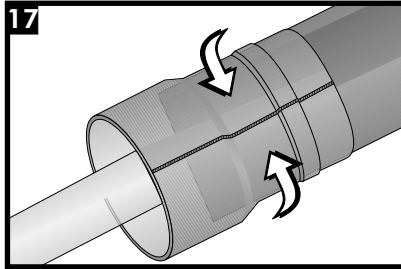


Carefully (without moving the PLX), reach under the PLX and remove the release liner from both of the sealant strips. Firmly, press the top of the PLX onto the jacket pipe sealant.

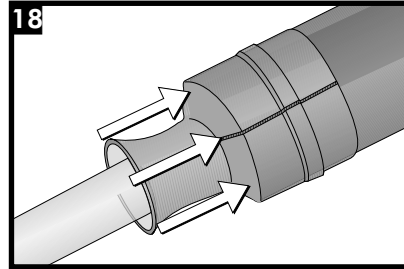
PLX Installation



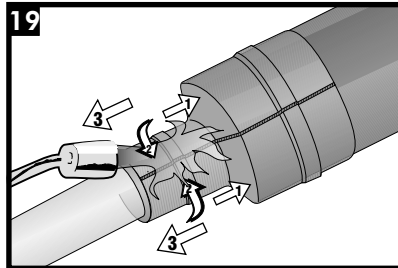
Using the torch and heating circumferentially, begin shrinking the jacket pipe end of the CanusaTube™ PLX around the jacket pipe starting from the middle and work towards the end. **Using a gloved hand, press the PLX firmly into the wall of the pre-insulated pipe.**



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

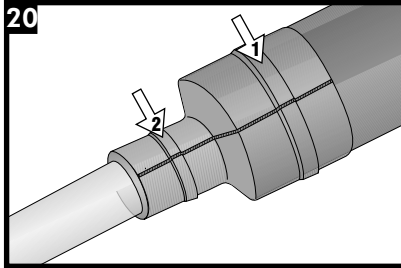


Using a gloved hand, firmly press the transition area of the PLX against the face of the profile around the entire circumference.



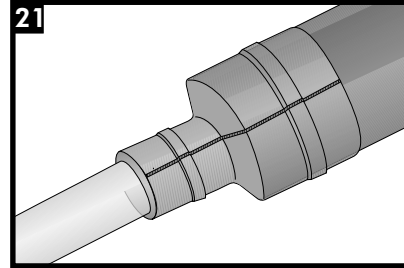
Shrink the service pipe side of the PLX. Circumferentially, heat from the cutback to the end of the sleeve. Continue heating until the PLX is fully recovered around the service pipe and a profile of the sealant is visible.

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.

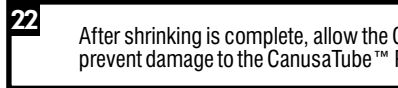
Visual Inspection



Visually inspect the installed sleeve for the following:

- Sleeve conforms to the pre-insulated pipe profile.
- Sleeve is in full contact with the sealing area.
- 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 CanusaTube™ PLX, use selected backfill material (no sharp stones or large particles).



A SHAWCOR COMPANY

Canada

CANUSA-CPS
a division of SHAWCOR LTD.
25 Bethridge Road
Rexdale, Ontario
M9W 1M7,
Canada
Tel: +1 (416) 743-7111
Fax: +1 (416) 743-5927

U.S.A./Latin America

CANUSA-CPS
a division of SHAWCOR INC.
2408 Timberloch Place
Building C-8
The Woodlands, Texas
77380, U.S.A.
Tel: +1 (281) 367-8866
Fax: +1 (281) 367-4304

Europe/Middle East

CANUSA-CPS
a division of Canusa Systems Ltd.
Unit 3, Sterling Park
Gatwick Road
Crawley, West Sussex
England RH10 9QT
Tel: +44 (1293) 541254
Fax: +44 (1293) 541777

www.canusacps.com

Asia/Pacific

CANUSA-CPS
BrederoShaw (S) Pte Ltd
101 Thomson Road
#17-01/02, United Square
Singapore
307591
Tel +65-6732-2355
Fax +65-6732-9073

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