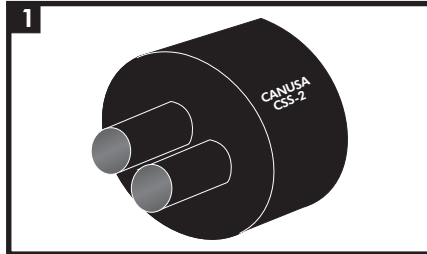


Canusa SuperStop - CSS2

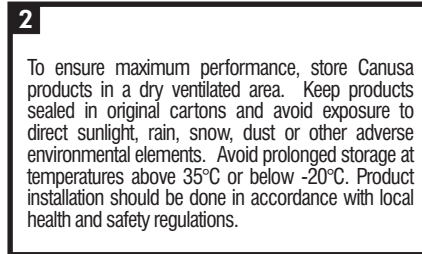
End Cap to Seal Pre-Insulated Pipe Ends - Double Outlets

Product Description



The CSS2 is shipped in cartons. The adhesive is protected from contamination by an inner liner.

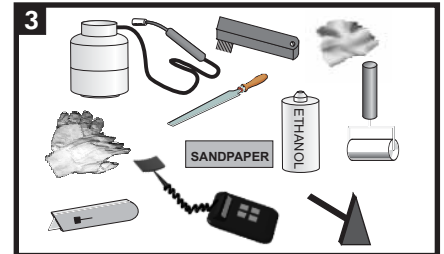
Storage & Safety Guidelines



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.

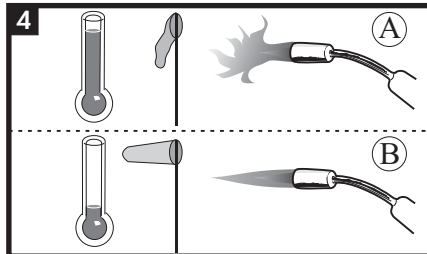
These installation instructions are intended as a guide for standard products. Consult your Canusa-CPS representative for specific projects or unique applications.

Equipment List



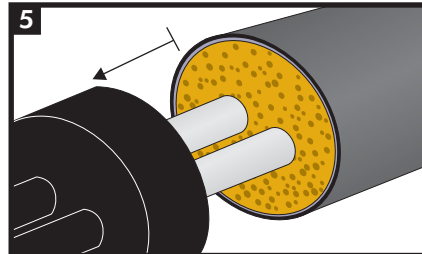
Propane tank, hose, torch & regulator
Wire brush, grater, triangular scraper
Knife, roller, rags & ethanol (min. 99.9%) cleanser
Temperature measuring device
Standard safety equipment; gloves, goggles, hard hat

Flame Intensity



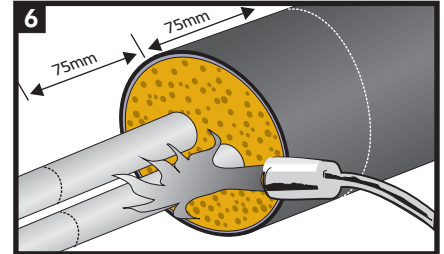
Adjust the flame according to outside conditions.
a. Use yellow flame for low wind, higher temperatures
b. Use blue flame for high wind, lower temperatures
Always aim the torch perpendicular to the pipe and move in a circumferential direction.

SuperStop Preparation



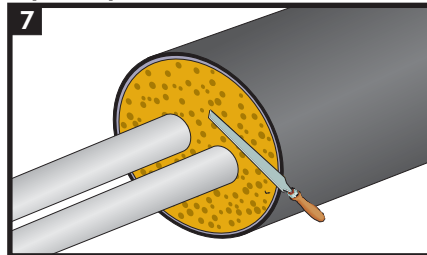
Before welding together the service pipes, slide the CSS2 over and – for surface preparation – as far away from the further application place as possible.

General Drying

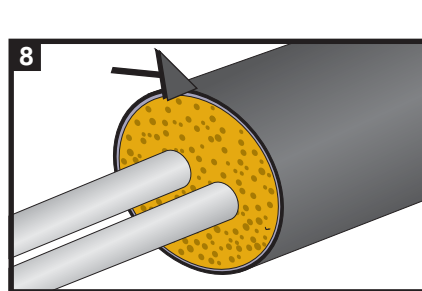


Dry the surfaces of the jacket and service pipes with the torch.

Pipe Preparation

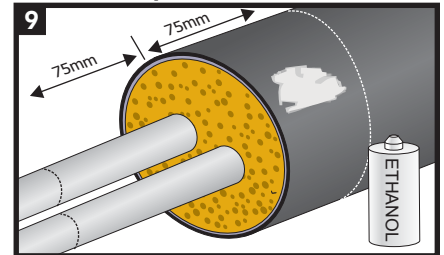


Remove any wet or excess PUR foam from the end of the pre-insulated pipe.



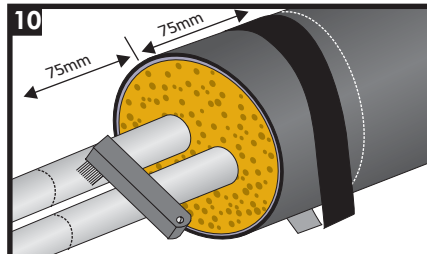
Using a triangular scraper, clean the edge and top of the jacket pipe to remove any sharp corners and burrs.

Surface Preparation



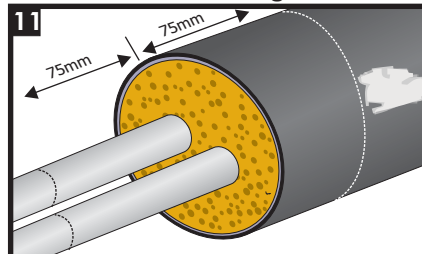
De-grease the surface of the jacket and the service pipes using a grease and lint-free rag soaked in ethanol (min. 99.9%).

Surface Abrasion



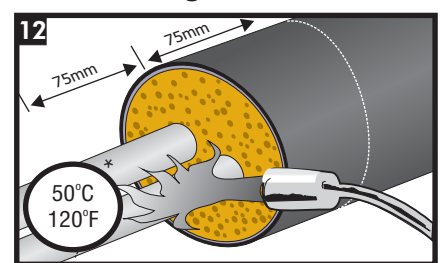
Using sandpaper (40-60 grade) or a wire brush, roughen the surface of the jacket pipe and the service pipes.

Final Surface Cleaning



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

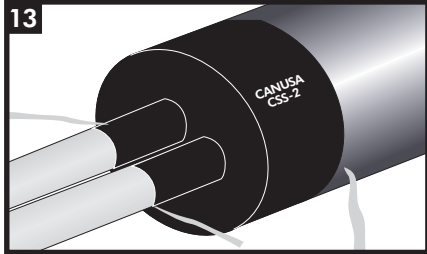
Pre-Warming



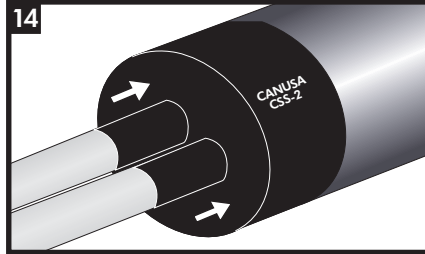
Using the torch, pre-warm the surface to be covered with the CSS2 (jacket pipe and service pipes) to a minimum of 50°C. Using the temperature measuring device, ensure the correct temperature has been reached. *Alternative adhesives are available and pre-heat temperatures may vary. Please contact your local Canusa-CPS representative for more details.

Canusa SuperStop - CSS2

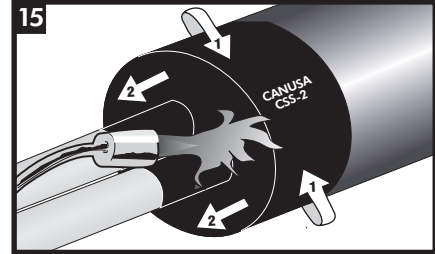
SuperStop Installation



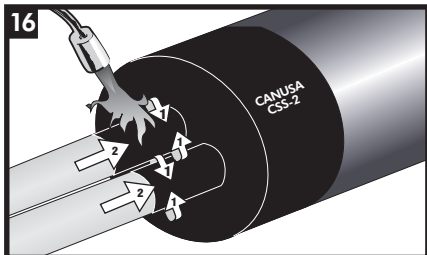
Remove the inner release liner from both ends of the CSS2 and bring it in place.



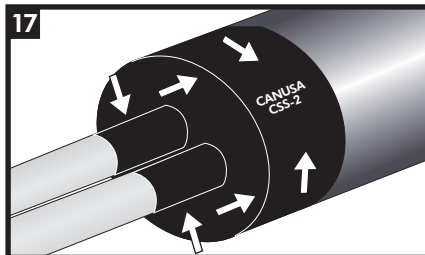
Using a gloved hand, push the CSS2 into the side of the pre-insulated pipe as far as possible.



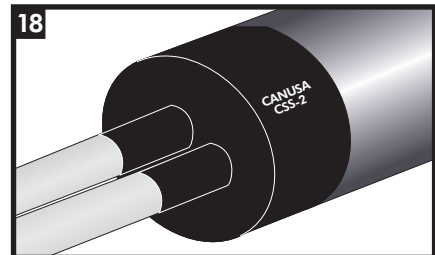
Using the torch and heating circumferentially, begin shrinking "the jacket pipe side" of the CSS2, starting with the edge and working towards the service pipe end.



After finishing "the jacket side", shrink the CSS2 around the entire circumference of the service pipes, starting from the inside and working towards the end. Continue...



...by heating the entire CSS2 and pressing it firmly with a gloved hand into the profile of the pipe end. Press down with a gloved finger on the shrunk area to ensure the backing and the adhesive are soft. If there are cool spots, the shrink zone should be reworked with additional heat.



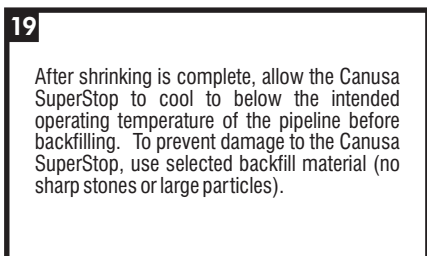
Visual Quality Check (Finger Tip Test)

Visually inspect the installed Canusa SuperStop for the following:

1. The CSS2 edges, all around the circumference, conform intimately with the entire pipe surfaces.
2. The CSS2 is in full contact with all pipes.
3. The CSS2 has fully conformed to the profile.
4. No cracks or holes in the CSS2 backing.

Quality Check (Finger Probe Test)

Backfilling Guidelines



After shrinking is complete, allow the Canusa SuperStop to cool to below the intended operating temperature of the pipeline before backfilling. To prevent damage to the Canusa SuperStop, 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
a division of SHAWCOR LTD.
#05-31, Blk 52, Frontier
Ubi Avenue 3
Singapore
408867
Tel: +65-6749-8918
Fax: +65-6749-8919

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