



Canusa SuperStop - CSS

End cap to seal pre-insulated pipe ends

Canusa-CPS is a leading manufacturer of specialty pipeline coatings which, for over 30 years, have been used for sealing and corrosion protection of pipeline joints and other substrates. Canusa high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate your specific project applications.

Product Description

The Canusa SuperStop - CSS is a heat shrinkable, end cap for pre-insulated pipes (example: district heating pipes). The CSS is made from a specially formulated crosslinked polymer combined with a high temperature adhesive providing a high quality, reliable system for the sealing protection of pre-insulated pipes.

Features & Benefits

Watertight Seal

The Canusa SuperStop - CSS is designed to provide a watertight seal and prevent water access to the exposed insulation at the weld joint area. Upon application of heat, the CSS shrinks to conform to the profile of the insulated pipe, while the adhesive simultaneously "melts" to bond to the jacket casing and the service pipe. To ensure overall protection of the insulating foam, CSS should be used on both pipe ends.

Insulation Protection

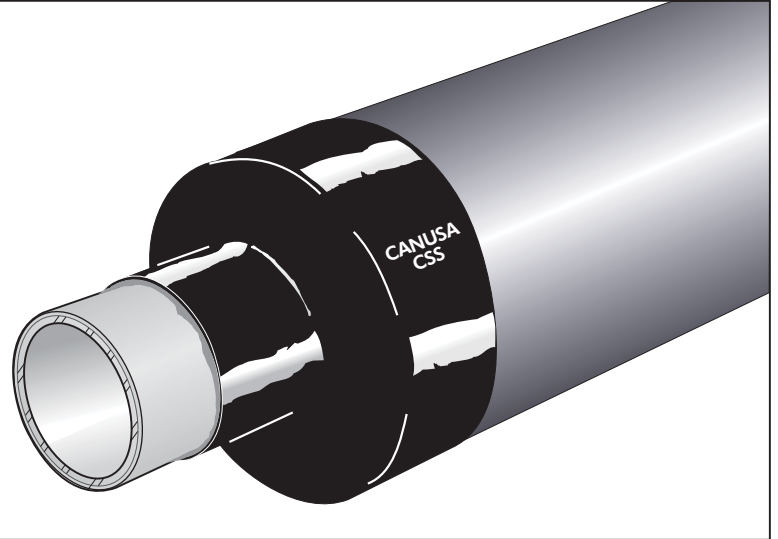
The Canusa SuperStop - CSS can be factory-installed on the pre-insulated pipe. Once installed, the CSS protects the insulation during transportation and storage. During service, the CSS prevents water ingress into the insulation in the event of leakage at the joint. If there is a leakage within a pipe length, the CSS limits the insulation degradation to one pipe length. This can greatly reduce repair costs.

Large Size Range

The Canusa SuperStop - CSS is available in a full range of sizes to fit most pipe/casing combinations. Since the CSS is heat shrinkable, one size can be used to cover several casing pipe/service pipe combinations.

Easy Installation

The Canusa SuperStop - CSS is quick and easy to install. Upon application of heat the product quickly conforms to cover the pipe ends. The CSS comes with pre-applied adhesive which reduces the installation time.



Applications



Pre-Insulated Pipes



Oil & Gas



Water Pipelines



End Seal



High Temp

Configurations



Moulded Shape



High Shrink

Pipe Sizes

NEW SIZE



PE 63 - PE 630

Temperature Range



up to 135°C (275°F)

The product selection guide shown below is intended as a guide for standard products. Consult your Canusa representative for specific projects or unique applications.

		Jacket Pipe O.D. (mm)																					
		63	75	90	110	125	140	160	180	200	225	250	266	280	297	315	326	334	355	400	450	500	630
Service Pipe O.D. (mm)	12	10																					
	15																						
	17					20																	
	21																						
	27					30																	
	34																						
	42	40																					
	48									50													
	54																						
	60					70																	
	70																						
	76					80																	
	89																						
	108					90					100												
	114																						
	133					110																	
	139																						
159					120																		
168																							
193					130																		
219																							
245																							
273					140																		
324																							
355																							
406					150																		
450																							
500																							

NEW SIZE

Sealant	Test Standard		Unit	Typical Result	End Cap	Test Standard		Unit	Typical Result	
	Peel Strength @ 23°C 100mm/min	DIN 30672	N/cm	14		Tensile Strength @ 23°C, 50mm/min	ASTM D638	MPa	22	
		Lap Shear Strength @ 23°C 10mm/min	DIN 30672	N/cm²		17	Tensile Elongation @ 23°C, 50mm/min	ASTM D638	%	450
			Water Absorption @ 23°C, 24 hours	ASTM D570		%	< 0.10			
	Thermal Aging - Elongation @ 150°C, 7 days	ASTM D638		%		375				
		Low Temperature Flexibility 25mm mandrel		ASTM D3111		°C	-70			

CSS-XX

Size

Product Designation

Standard Options

see product selection guide

CSS- Canusa SuperStop

A - Service Pipe
 B - Jacket Pipe
 C - Length
 D - Length
 E+F - Thickness

Jacket Pipe
 Service Pipe
 \varnothing
 \varnothing

All dimensions are nominal in mm



CANUSA-CPS

A SHAWCOR COMPANY

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

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

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

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, you shall determine the proper use of the products for the intended use and assume all risks and losses 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