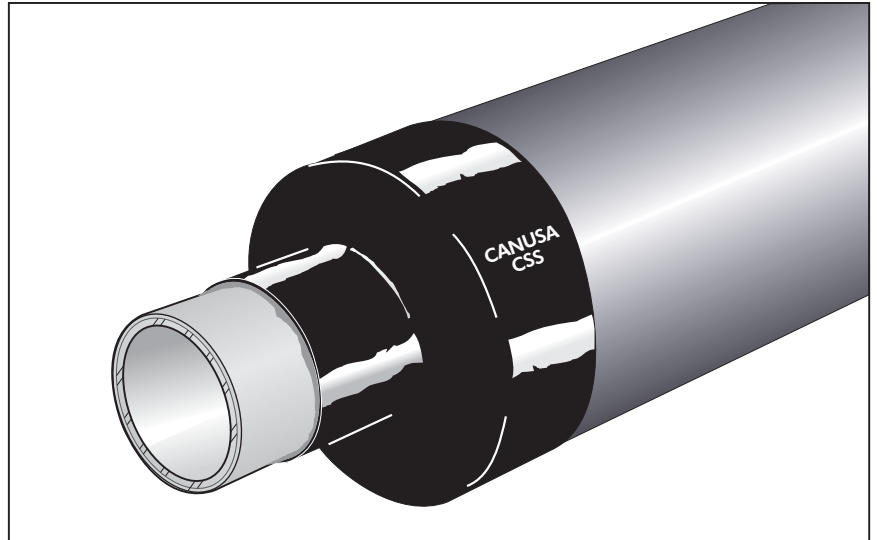


## Canusa SuperStop - CSS

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.

# Canusa SuperStop - CSS

Service Pipe O.D. (mm)	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
12																						
15																						
17																						
21																						
27																						
34																						
42																						
48																						
54																						
60																						
70																						
76																						
89																						
108																						
114																						
133																						
139																						
159																						
168																						
193																						
219																						
245																						
273																						
324																						
355																						
406																						
450																						
500																						

NEW SIZE

## Typical Product Properties

	Test Standard	Unit	Typical Result		Test Standard	Unit	Typical Result	
Sealant	Peel Strength @ 23°C 100mm/min	DIN 30672	N/cm	14	Tensile Strength @ 23°C, 50mm/min	ASTM D638	MPa	22
					Tensile Elongation @ 23°C, 50mm/min	ASTM D638	%	450
	Lap Shear Strength @ 23°C 10mm/min	DIN 30672	N/cm <sup>2</sup>	17	Thermal Aging - Elongation @ 150°C, 7 days	ASTM D638	%	375
					Low Temperature Flexibility 25mm mandrel	ASTM D3111	°C	-70
				Water Absorption @ 23°C, 24 hours	ASTM D570	%	< 0.10	
				End Cap				

## How to Order

CSS-XX	Standard Options		CSS Size (mm)		Supplied (mm)		Recovered (mm)		Length (mm)		Thickness (mm)		Adhesive Width (mm)
	Size	Product Designation	A	B	A	B	A	B	C	D	E	F	
	see product selection guide	CSS- Canusa SuperStop											
<p>A - Service Pipe B - Jacket Pipe C - Length D - Length E+F - Thickness</p>			10	47	40	80	2.5	2.5	30				
			20	75	50	75	2.5	2.5	30				
			30	105	40	75	2.5	2.5	30				
			40	135	40	75	2.5	2.5	30				
			50	148	40	75	2.5	2.5	30				
			60	175	30	135	2.5	2.5	30				
			70	150	40	90	2.5	2.5	30				
			80	195	45	65	2.5	2.5	30				
			90	240	60	75	2.5	2.5	30				
			100	270	60	75	2.5	2.5	30				
			110	295	40	100	2.5	2.5	30				
		120	360	40	100	2.5	2.5	30					
		130	420	40	100	2.5	2.5	30					
		140	540	40	100	2.5	2.5	30					
		150	650	55	85	2.5	2.5	30					

All dimensions are nominal in mm

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