

## Canusa SuperStop - CSS2

### 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.

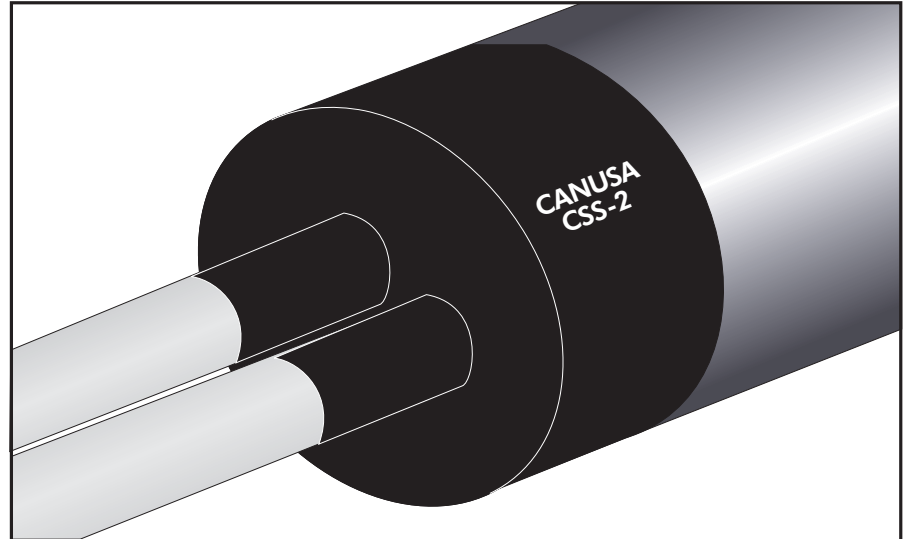
#### Product Description

The Canusa SuperStop - CSS2 is a heat shrinkable, double end cap for pre-insulated twin pipes (example: district heating pipes). The CSS2 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 twin pipes.

#### Features & Benefits

##### Watertight Seal

The Canusa SuperStop - CSS2 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 CSS2 shrinks to conform to the profile of the insulated pipe, while the adhesive simultaneously "melts" to bond to the jacket casing and the service pipes. To ensure overall protection of the insulating foam, CSS2 should be used on both pipe ends.



##### Insulation Protection

The Canusa SuperStop - CSS2 can be factory-installed on the pre-insulated pipe. Once installed, the CSS2 protects the insulation during transportation and storage. During service, the CSS2 prevents water ingress into the insulation in the event of leakage at the joint. If there is a leakage within a pipe length, the CSS2 limits the insulation degradation to one pipe length. This can greatly reduce repair costs.

##### Large Size Range

The Canusa SuperStop - CSS2 is available in a full range of sizes to fit most pipe/casing combinations. Since the CSS2 is heat shrinkable, one size can be used to cover several casing pipe/service pipe combinations.

##### Easy Installation

The Canusa SuperStop - CSS2 is quick and easy to install. Upon application of heat the product quickly conforms to cover the pipe ends. The CSS2 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



PE 90 - PE 500

#### Temperature Range



up to 130°C (266°F)

## Product Selection Guide

Media Pipe O.D. (mm)		Jacket Pipe O.D. (mm)							
First Pipe	Second Pipe	90	110	125	140	160	180	200	225
12	12								
15	15								
18	18		10						
20	20								
22	12								
22	15		20						
22	22		10						
28	15		20						
28	18		20						
28	22				40				
28	28		30		50				
32	18		20						
32	22				40				
32	32					60			
40	22				40				
40	28		30			60			
40	40					60			
50	32								
50	50								
54	28		30			80		70	
54	35								
54	54								
63	63							90	
75	75								100
90	90								

### 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	ASTM D638	MPa	>20
					Ultimate Elongation	ASTM D639	%	550
	Lap Shear Strength @ 23°C 10mm/min	DIN 30672	N/cm <sup>2</sup>	17	Thermal Aging@ 150°C, 7 days - Tensile Strength	ASTM D638	MPa	>20
					- Ultimate Elongation	ASTM D639	%	500
End Cap	Low Temperature Flexibility 25mm mandrel	ASTM D3111	°C	-60	Water Absorption @ 23°C, 24 hours	ASTM D570	%	0.05

### How to Order

**CSS2-XX**

Standard Options

Size → see product selection guide

Product Designation → **CSS2- Canusa SuperStop**

Size (mm) ▶	CSS2 -10	CSS2 -20	CSS2 -30	CSS2 -40	CSS2 -50	CSS2 -60	CSS2 -70	CSS2 -80	CSS2 -90	CSS2 -100
<b>H</b>	Supplied 135	144	160	185	185	200	235	200	250	260
	Recovered 85	85	105	135	138	135	135	135	175	175
<b>J1</b>	Supplied 28	34	60	48	34	48	60	62	85	105
	Recovered 10	19	24	24	24	24	24	50	55	55
<b>J2</b>	Supplied 28	21	50	28	34	48	60	34	85	105
	Recovered 10	10	20	14	24	24	24	24	55	55
<b>G</b>	Supplied 12	15	10	15	15	10	10	8	15	15
	Recovered 20	20	20	31	22	22	22	30	20	20
<b>L1</b>	Recovered 90	90	90	90	90	90	90	90	90	90
<b>L2</b>	Recovered 52	52	52	52	52	52	52	52	52	52
<b>Hw</b>	Recovered 2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
<b>Jw</b>	Recovered 2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2

NOTE: Adhesive Strip to be protected by Release paper

All dimensions are nominal in mm

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