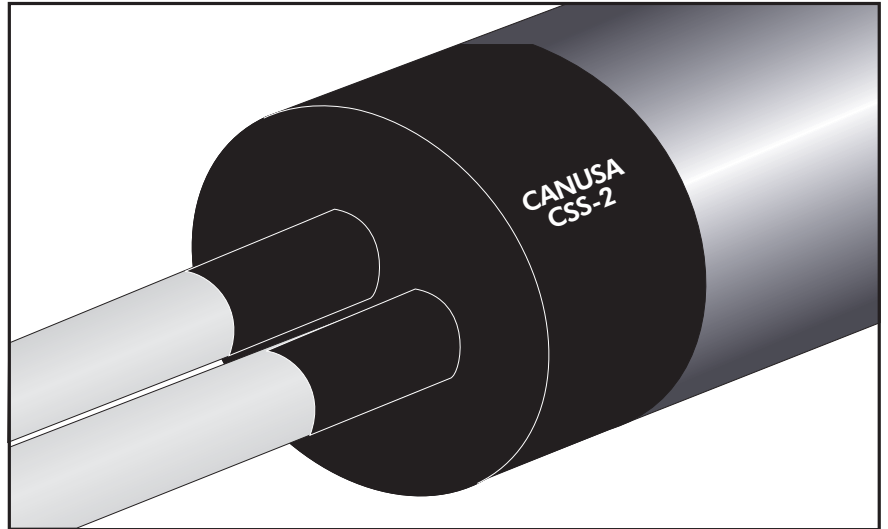


Canusa SuperStop - CSS2

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								
20	20								
22	12								
22	15								
22	22								
28	15								
28	18								
28	22								
28	28								
32	18								
32	22								
32	32								
40	22								
40	28								
40	40								
50	32								
50	50								
54	28								
54	35								
54	54								
63	63								
75	75								
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 ²	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

Ordering & Dimensional Info

NOTE: Adhesive Strip to be protected by Release paper

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

All dimensions are nominal in mm



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