

CanusaCoat Pipeline Sealants

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

CanusaCoat Pipeline Sealants are single component, rubber-modified sealants. All sealants are engineered to provide long term corrosion protection and excellent bonding under extruded polyethylene pipe coatings. CanusaCoat sealants are available in a range of properties to meet various shear resistance and operating temperature requirements.

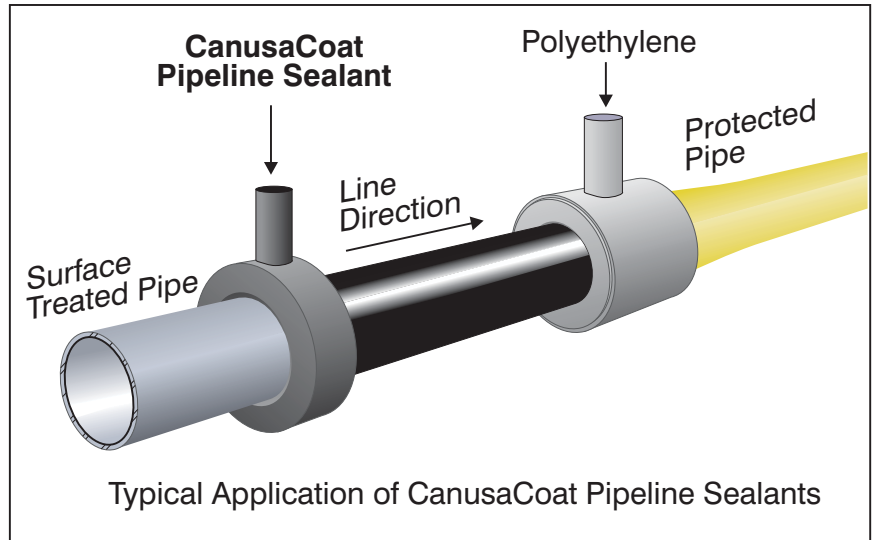
Features & Benefits

Outstanding Product Properties

CanusaCoat sealants demonstrate excellent resistance to cathodic disbondment, thus minimizing the cost of cathodic protection. In addition, sealants are available that are resistant to biological and chemical contaminants. Corrosion resistant properties are complimented by excellent lap shear and peel strength characteristics.

Single Source Advantage

A variety of CanusaCoat sealants are available to meet specific performance requirements. From the more cost effective FS-45 and MS-60 products, to high performance sealants such as 3300, HS-60 and DS-1, Canusa has a sealant to meet the unique requirements of your project. Product availability and supply is always assured since CanusaCoat sealants are available from two state-of-the art manufacturing facilities.



Quality Manufacturing

All CanusaCoat sealants are consistently manufactured in accordance with ISO-9001 quality standards and meet the requirements of stringent industry standards such as ASTM, CSA-Z245.21 and AS 1518-2002.

Long Lasting Durability

The tenacious adhesion properties of the CanusaCoat pipeline sealant chemically and physically bond polyethylene coatings to metal substrates. In addition to this effective bond, all sealants maintain a cold flow, self healing capability which effectively provides a second line of defense. Small breaches or punctures through the polyethylene outer jacket are sealed, effectively preventing corrosion. The result is a protective coating system that is resistant to shear stress, abrasion and impact, thus extending the lifetime of the pipeline.

Primerless Application

All sealants are formulated to provide excellent bonding without the need for special primers. This built-in feature minimizes application and labour costs while promoting high production rates.

Applications



Oil & Gas



Pre-Insulated Pipes



Pipeline Sealants

Configurations



Crosshead Application



2-Layer



Sleeve Compatible

Pipe Sizes



All

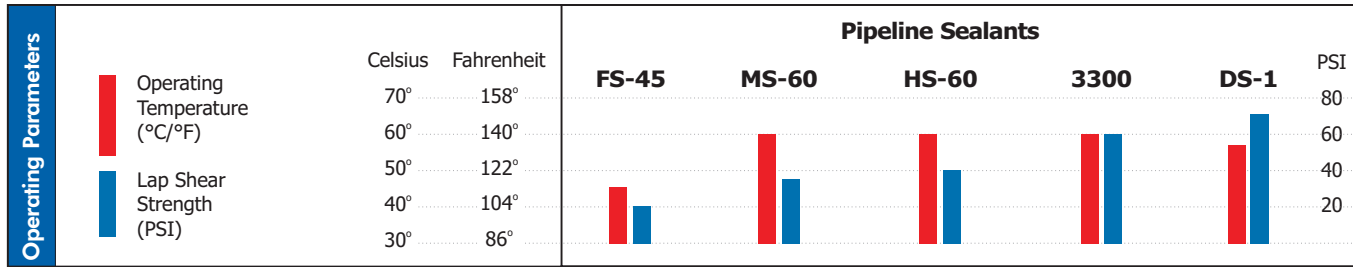
Temperature Range



up to 60°C (140°F)

Product Selection Guide

Choose your adhesive based on Operating Temperature and Characteristics listed below.



Typical Product Properties

Typical Values	Test Standard	Unit	FS-45	MS-60	HS-60	3300	DS-1
			Softening point (ring & ball)	ASTM E28	°C (°F)	78 (172)	90 (194)
Adhesive flow							
@60°C (140°F)	CSA-Z245.21	mm	-	4.0	10	5.5	--
@70°C (158°F)	CSA-Z245.21	mm	30.0	10.0	14	10.5	17
Viscosity @149°C (300°F)	ASTM D1084	CPS	5,000	17,000	1,900	14,750	20,000
Lap Shear	CSA-Z245.21	psi	19	35	40	60	70
Peel Strength	CSA Method A	pli	2	2	7	2	8
Peel Strength (hanging wt)	CSA Method B	cm/min	pass / n/a	pass / n/a	pass / pass	pass / n/a	pass/pass
	A1 / A2						
Water Absorption	ASTM D570 mod	1/1	0.05	0.05	0.05	0.05	0.05
Cathodic Disbondment	CSA-Z245.21	@23°C 28 days	<15	<15	<15	<15	<10
Cathodic Disbondment	CSA-Z245.21	@65°C 48 hrs	<10	<10	<10	<10	<6
Cathodic Disbondment	CSA-Z245.21	@O.T. 28 days	<20	<20	<20	<20	<15

Typical Application Guidelines

Typical Values	FS-45	MS-60	HS-60	3300	DS-1
	Storage and Holding Temperature		>24 hrs; 120°C (248°F),		<24 hrs; 150°C (302°F)
Coating Temperature		140± 10°C or 284± 18°F			
Agitation		Constant			
Recommended Pipe Preheat	← 25 - 60°C (77 - 140°F)		→ 40-60°C (104-140°F)		→ 60-80°C (140-175°F) →
Recommended Adhesive Thickness	recommended: 10 mils minimum: 6-7 mils (0.15 - 0.18 mm)				
Surface Preparation	SIS Sa2, SSPC-SP6, NACE 3				

Packaging

CanusaCoat Pipeline Sealants are packaged in 215 kg (475 lb) fiber drums, and supplied in full truckload quantities (typically 92 drums). Heavy duty packaging is also available for export. Consult Canusa's Customer Service Department for further information.