

CanusaCoat Pipeline Sealants

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.

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 Pipelines



Pre-Insulated Pipes



Pipeline Sealants

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Pipeline Sealant Operating Characteristics	FS-45	MS-60	HS-60	3300	DS-1	
Pipeline Sealant Operating Temp.	Up to 45°C (113°F)	Up to 60°C (140°F)	Up to 60°C (140°F)	Up to 60°C (140°F)	Up to 57°C (134°F)	
Typical Product Properties	Test Method					
Softening Point (ring & ball)	ASTM E28	78°C	90°C	90°C	90°C	80°C
Lap Shear	CSA-Z245.21	19 psi	35 psi	40 psi	60 psi	70 psi
Cathodic Disbondment @ 23°C 28 days	CSA-Z245.21	< 15 mm	< 15 mm	< 15 mm	< 15 mm	< 10 mm
Cathodic Disbondment @ 65°C 48 hrs	CSA-Z245.21	< 10 mm	< 10 mm	< 10 mm	< 10 mm	< 6 mm
Cathodic Disbondment @ O.T. 28 days	CSA-Z245.21	< 20 mm	< 20 mm	< 20 mm	< 20 mm	< 15 mm
Adhesive flow @ 60°C (140°F)	CSA-Z245.21	-	4 mm	10 mm	5.5 mm	-
Adhesive flow @ 70°C (158°F)	CSA-Z245.21	30 mm	10 mm	14 mm	10.5 mm	17 mm
Viscosity @ 149°C (300°F)	ASTM D1084	5,000 CPS	17,000 CPS	1,900 CPS	14,750 CPS	20,000 CPS
Peel Strength	CSA Method A	2 pli	2 pli	7 pli	2 pli	8 pli
Peel Strength (hanging wt)	CSA Method B A1 / A2	pass / n/a	pass / n/a	pass / pass	pass / n/a	pass / pass
Water Absorption	ASTM D570 mod	0.05	0.05	0.05	0.05	0.05
Typical Application Guidelines						
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	140± 10°C or 284± 18°F	140± 10°C or 284± 18°F	140± 10°C or 284± 18°F	140± 10°C or 284± 18°F	
Agitation	Constant	Constant	Constant	Constant	Constant	
Recommended Pipe Preheat	25 - 60°C (77 - 140°F)	25 - 60°C (77 - 140°F)	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	SIS Sa2, SSPC-SP6, NACE 3	SIS Sa2, SSPC-SP6, NACE 3	SIS Sa2, SSPC-SP6, NACE 3	SIS Sa2, SSPC-SP6, NACE 3	

Since 1967, Canusa-CPS has been a leading developer and manufacturer of specialty pipeline coatings for the sealing and corrosion protection of pipeline joints and other substrates. Canusa-CPS high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate many specific project applications.

The product information shown here is intended as a guide for standard products.

Consult your Canusa representative for specific projects or unique applications at info@canusacps.com.

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Quality Management system registered to ISO 9001

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the product data sheet when used in compliance with Canusa's written instructions. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities 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 data sheet is to be used as a guide and is subject to change without notice. This data sheet supersedes all previous data sheets on this product. E&OE

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