

CRP-PP

Mainline coating repair products for corrosion protection

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

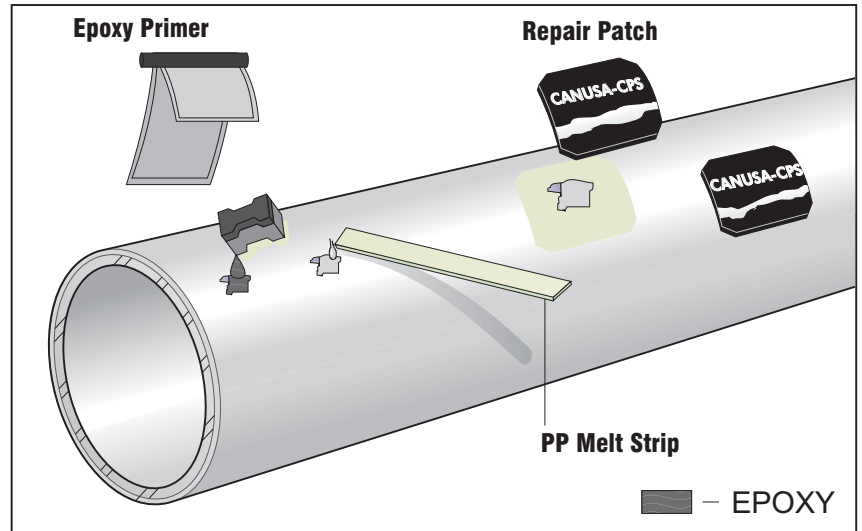
Canusa's repair products for polypropylene-coated pipelines provide excellent adhesion and shear resistance at high pipeline operating temperatures. The polypropylene repair patch has been uniquely designed to be fully compatible with the polypropylene pipe line coating. The melt strip is also made from polypropylene for maximum compatibility. These aspects ensure compatibility throughout the range of Canusa products offered.

Features & Benefits

All of Canusa's Pipeline Repair Products offer flexibility in installation, exhibit excellent adhesion to steel and are fully compatible with the pipeline coating. Canusa has also developed a high temperature resistant epoxy, which is used in combination with the polypropylene melt strip and the repair patch for minor and major coating repairs.

Coating Repair Patch (CRP-PP)

CRP-PP is polypropylene based and is designed to be fully compatible with the polypropylene pipeline coating. The patches are supplied pre-cut for easy handling in the field. The installed patch provides a barrier to moisture and corrosion and is resistant to abrasion and shear forces during pipeline construction and while in service.



PP Melt Strip





PP Melt Strip is used to fill larger damaged areas in the coating prior to patch installation or as a repair for minor coating damage. Once installed, the melt strip provides excellent resistance to corrosion, abrasion and shear during pipeline construction and while in service.

Epoxy/Primer

Canusa's Epoxy Primer acts as an initial corrosion protection layer for major repairs when the damaged area extends to the steel surface. Its unique force cure technology ensures consistent thickness prior to installation of the melt strip material and repair patch.

Note: For damage greater than 150mm x 150mm, a new sleeve is recommended.

Applications

-  Oil & Gas
-  High Temp
-  Polypropylene
-  Repair & Rehab

Configurations

-  Patch
-  Melt Strip
-  Epoxy

Pipe Sizes

-  All Sizes

Temperature Range

-  up to 140°C (284°F)

Product Selection Guide

Sleeve Operating Characteristics	Celsius	Fahrenheit	CRP-PP & PP Melt Stick	
	200°	392°		
	175°	347°		
	125°	257°		
	100°	212°		
	75°	167°		
	50°	122°		
Pipeline Operating Temp.	140 °C (°F)	284 (°F)		
Minimum Installation Temp.	175 °C (°F)	347 (°F)		
Resistance to Circumferential Forces			excellent	
Resistance to Soil Stress			excellent	
Resistance to Axial Pipe Movement			excellent	
Main Line Coating Compatibility			PP	

The product selection chart shown here is intended as a guide for standard products. Consult your Canusa representative for specific projects or unique applications.

Typical Product Properties

	Test Standard	Unit	CRP-PP	
Adhesive	Density	ASTM D792	g/cm ³	0.93
	Melting Point	ASTM D3418	°C (°F)	147 (297)
	Lap Shear @ 23°C (73°F)	DIN 30 672	N/cm ²	> 150
	Lap Shear @ 100°C (212°F)	DIN 30 672	N/cm ²	> 100
Backing	Density	ASTM D792	g/cm ³	0.93
	Tensile Strength @ 23°C (73°F)	ASTM D638	MPa	28
	Elongation at Break @ 23°C (73°F)	ASTM D638	%	425
	Hardness	ASTM D2240	Shore D	65
	Water Absorption @ 23°C (73°F), 24 hours	ASTM D570	%	0.2
	Volume Resistivity	ASTM D257	ohm.cm	2 x 10 ¹⁷
	Low Temperature Brittleness @ -40°C (-40°F)	ASTM D746	--	pass
Patch	Peel Strength @ 100°C (212°F)	NF A 49-711	N/cm	70
	Impact	NF A 49-711	J/mm	10
	Holiday Detection	NF A 49-711	kV	25
	Indentation @ 110°C (230°F)	NF A 49-711	mm	0.38
	Cathodic Disbondment* @ 95°C (203°F), 28 days	ASTM G42	mm	< 3
	Hot Water Immersion* @ 95°C (203°F), 28 days	CSA	Rating	1

* includes installed patch with Canusa epoxy primer ** Hot Air Tool required for installation.

How To Order:

CRP-PP-B 150-15 BK	Polypropylene Canusa Repair Patch	PP Melt Strip 25-450	Polypropylene Melt Strip	P Epoxy/Primer BP 170mL	Epoxy/Primer
Colour	BK- Black WH- White	Length	450mm (17.7")	Total Mixed Volume	170mL (0.045 Gal)
Length of Piece	15m	Diameter	25mm (1")	Package Type	BP- Bubble Pack
Width of Piece	150mm (6")	Product Designation	PP Melt Strip	Product Designation	P Epoxy/Primer
Product Designation	CRP-PP-B Coating Repair Patch Roll				



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Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the installation guide 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 installation guide is to be used as a guide and is subject to change without notice. This installation guide supersedes all previous installation guides on this product. E&OE