

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

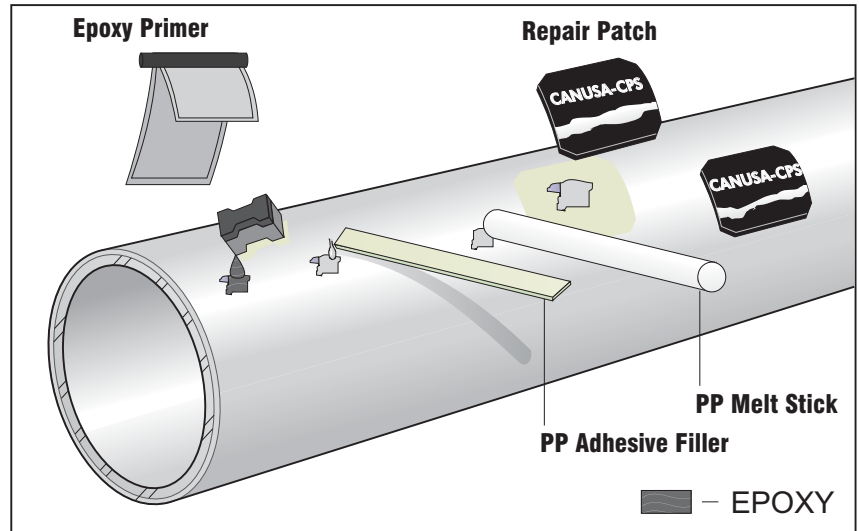
Canusa's repair products for polypropylene-coated pipelines provide excellent adhesion and shear resistance at high pipeline operating temperatures. The polypropylene repair patch has been uniquely designed to be fully compatible with the polypropylene pipe line coating. The Adhesive Filler is also made 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 Adhesive Filler 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 Stick

PP Melt Stick 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 Stick provides excellent resistance to corrosion, abrasion and shear during pipeline construction and while in service.

PP Adhesive Filler




PP Adhesive Filler is supplied as a filler material when repairing the GTS-PP Heat Shrink Sleeve System. Typical Application is to fill the void left during Peel Testing prior to CRP-PP Repair Patch Application. It can also be used to repair the Mainline Coating.

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 Adhesive Filler 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
-  PP Melt Stick
-  Adhesive Filler
-  Epoxy

Pipe Sizes

-  All Sizes

Temperature Range

-  up to 140°C (284°F)*

Sleeve Operating Characteristics	Celsius	Fahrenheit	CRP-PP, PP Adhesive Filler & PP Melt Stick	
	200°	392°		
	175°	347°		
	125°	257°		
	100°	212°		
	75°	167°		
	50°	122°		
Pipeline Operating Temp.	°C (°F)		Up to 140 (284)*	
Minimum Installation Temp.	°C (°F)		175 (347)	
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.

* Actual temperature rating is dependant on specific project requirements and conditions. Please consult your local Canusa representative.

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	> 500
	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
	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 Colour ▶ Length of Piece ▶ Width of Piece ▶ Product Designation ▶	Polypropylene Canusa Repair Patch	PP Adhesive Filler 20-8-300 GR Colour ▶ Length ▶ Thickness ▶ Width ▶ Product Designation ▶	Polypropylene Adhesive Filler
	BK- Black		Green
	15m		300mm (11.8")
	150mm (6")		8mm (0.3")
	CRP-PP-B Coating Repair Patch Roll		20mm (0.8")
			PP Adhesive Filler

P Epoxy/Primer BP 170mL Total Mixed Volume ▶ Package Type ▶ Product Designation ▶	Epoxy/Primer	PP Melt Stick 20-300 WT Colour ▶ Length ▶ Width ▶ Product Designation ▶	Polypropylene Melt Stick
	170mL (0.045 Gal)		WT: White, BK: Black
	BP- Bubble Pack		300mm (11.8")
	P Epoxy/Primer		20mm (0.8")
			PP Adhesive Filler

Speccoats Paint (Pty)Ltd • Speccoats Equipment (Pty)Ltd

Address: 9 Covora Street, Jet Park, Boksburg, Gauteng, South Africa

International Tel: 00 27 11 397 2140

Within South Africa Tel: 0861 37 2468

International Fax: 00 27 11 397 3420

Within South Africa Fax: 011 397 3420

Email: info@speccoats.co.za

Web: www.speccoats.co.za



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