



Ancorro VE For Corrosion Prevention & Sealing

# ANCORRO PDS VE Coatable 18

## Description

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ANCORRO VE Coatable 18 is a non-woven fabric backed, non-crystalline corrosion prevention and sealing polymer which can be directly applied to clean and dry ferrous and non-ferrous surfaces.

ANCORRO VE Coatable 18 remains flexible and stress free, offers low permeability to water and gases/vapours, and is fully compatible with cathodic protection systems.

ANCORRO VE Coatable 18 maintains low viscosity and does not cure, offering long term corrosion prevention. Applications include tank chime wall areas, and where heavy pitting exists on above ground pipes and fittings.

### Features & Benefits

- \* Complies to ISO 21809-3
- \* Conforms to irregular shapes
- \* Min. St 2 surface preparation (by hand tool)
- \* Application can be automated
- \* Resistant to salts, acids & alkalis
- \* Can be painted with an elastomeric top coat
- \* Excellent adhesion to PP, PE, FBE, concrete, glass & steel
- \* No primer is required
- \* Self-heals pinholes and small dents
- \* Non-toxic to the environment, safe to handle

## Application Notes

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- \* The surface should be clean and dry, free from oil, grease and loose dust. All mill scale is to be removed.
- \* Recommended application temperature of between +5°C and +45°C.
- \* Surface temperature to be 3°C above the dew point.
- \* Surface preparation to minimum St 2 / SSPC SP 2. A roughness profile is not required.
- \* Degrease with Isopropanol or MEK/ACETONE. Do NOT use thinners.

## General Installation

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- \* Apply ANCORRO VE Coatable 18 without tension.
- \* Remove the leading edge of the release liner and apply ANCORRO VE Coatable 18 directly onto the substrate.
- \* Once anchored, continue to remove the release liner and apply without tension, avoiding air pockets.
- \* Start with a straight circumferential wrap and overlap the existing coating by 100mm.
- \* Continue spirally with a side overlap of 10mm, or straight wrap apply (circumference + 50mm) with a side overlap of 10mm.
- \* For irregular shapes, maintain a minimum 10mm overlap.
- \* When a new roll is required, a minimum overlap of 50mm to the previous roll is recommended.
- \* Finish with a straight circumferential wrap (facing down) and overlap to the existing coating by 100mm.

## Mechanical Protection

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- \* Apply an elastomeric top coat immediately after application and inspection. Do not leave unprotected.
- \* Contact ANCORRO or your local representative to help with the selection of an appropriate top coat.
- \* If damage occurs, apply a patch to repair (100mm overlap) and re-apply the top coat.

## Inspection

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- \* The surface should be smooth, tight and contoured to the shape of the surface.
- \* There should be no air pockets, wrinkles or stretch marks.
- \* If required, inspect with a holiday detection test (5kV/mm + 5kV) before applying the top coat.

## Handling & Storage

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- \* Keep boxes upright and out of direct sunlight.
- \* Store indoors in a dry environment at temperatures less than 40°C.
- \* ANCORRO VE Coatable 18 has a recommended 8-year shelf life.

## Technical Properties

Color	light blue	NA
Thickness	≥ 1.8mm	ISO 21809-3:2016 Annex B
Density	1.3 to 1.6g/cm <sup>3</sup>	ISO 1183-1:2012 Method B
Temperature Range	-45°C to +70°C	NA
Drip Resistance (T <sub>max</sub> + 20°C)	no dripping (48hours)	ISO 21809-3:2016 Annex K
Glass Transition Temperature	≤ -65°C	ISO 11357-2
Crystallization Temperature	no crystallization	ISO 11357-3
Holiday Detection Test	5 kV/mm + 5 kV - no holiday	ISO 21809-3:2016 Annex C
Adhesion test to steel, and to plant coating before & after thermal ageing, and before and after hot water immersion (100 days)	23°C ≥ 0.3N/mm, ≥ 95% coverage	ISO 21809-3:2016 Annex H, M.3 & I
	T <sub>max</sub> ≥ 0.03N/mm, ≥ 95% coverage	
Lap Shear Resistance	23°C ≥ 0.03N/mm <sup>2</sup> , coverage ≥ 95%	ISO 21809-3:2016 Annex J
	T <sub>max</sub> ≥ 0.003N/mm <sup>2</sup> , coverage ≥ 95%	
Specific Electrical Insulation Resistance	≥ 10 <sup>10</sup> Ω·m <sup>2</sup> (23°C)	ISO 1853:2018
Impact Resistance with top coat	≥ 5J (23°C)	ISO 21809-3:2016 Annex D
UV Resistance (600 hours)	peel strength ≥85%	ISO 4582:2007
Salt Spray Resistance (500 hours)	no corrosion detected	ISO 7253:1996

## Order Information

Article No.	Dimensions	Box Packaging
2151	50mm x 10m x 1.8mm	12 rolls per carton
2111	100mm x 10m x 1.8mm	6 rolls per carton
2211	200mm x 10m x 1.8mm	2 rolls per carton
2212	200mm x 20m x 1.8mm	2 rolls per carton

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