



Ancorro VE For Corrosion Prevention & Sealing

# ANCORRO PDS VE Stretch 22

## Description

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ANCORRO VE Stretch 22 is a stretchable non-woven fabric backed, non-crystalline corrosion prevention and sealing polymer which can be directly applied to dry ferrous and non-ferrous surfaces.

ANCORRO VE Stretch 22 remains flexible and stress free, offers low permeability to water and gases/vapours, and is fully compatible with cathodic protection systems.

ANCORRO VE Stretch 22 maintains low viscosity and does not cure, offering long term corrosion prevention. Applications include underground pipes and pipe fittings, field joints, tees, elbows, valves and flanges.

### Features & Benefits

- \* Complies to ISO 21809-3
- \* Freely conforms to irregular shapes
- \* Min. St 2 surface preparation (by hand tool)
- \* Application can be automated
- \* Resistant to salts, acids & alkalis
- \* Auto rebounding & tightening
- \* 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 Stretch 22 with tension.
- \* Remove the leading edge of the release liner and apply ANCORRO VE Stretch 22 directly onto the substrate.
- \* Once anchored, continue to remove the release liner and apply with tension, avoiding air pockets.
- \* Start with a straight circumferential wrap and overlap the existing coating by 100mm.
- \* Continue to apply spirally with a side overlap of 10mm. For irregular shapes, maintain a minimum 10mm overlap.
- \* When a new roll is required, start with a straight circumferential wrap and a minimum overlap of 50mm to the previous roll.
- \* Finish with a straight circumferential wrap (facing down) and overlap the existing coating by 100mm.
- \* The last half of the final wrap is to be applied without tension.

## Mechanical Protection

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- \* Apply an epoxy top coat or polymeric tape protection after inspection. Do not leave unprotected.
- \* Contact ANCORRO or your local representative to help with the selection of an appropriate top coat.
- \* Additional mechanical protection is recommended when lifting or moving pipes, or when subject to direct load or sharp objects. If damage occurs, apply a circumferential wrap (100mm overlap) to repair and re-apply protection.

## 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 or wrinkles.
- \* 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 Stretch 22 has a recommended 8-year shelf life.

## Technical Properties

Color	light blue	NA
Thickness	≥ 2.2mm	ISO 21809-3:2016 Annex B
Density	1.4 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 & 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%	
Impact Resistance with polymeric tapes	≥ 15J (23°C)	ISO 21809-3:2016 Annex D
Indentation Resistance with polymeric tape (1.0Mpa) / epoxy coat (10Mpa)	residual thickness ≥ 0.6mm (23°C & T <sub>max</sub> )	ISO 21809-3:2016 Annex E
Cathodic Disbondment @ 23°C & T <sub>max</sub>	no holiday or disbondment (28 days)	ISO 21809-3:2016 Annex G & C
Specific Electrical Insulation Resistance	≥ 10 <sup>10</sup> Ω · m <sup>2</sup> (23°C)	ISO 21809-3:2016 Annex F
10% NaOH Resistance (23°C for 90 days)	no corrosion detected	ISO 175:2010
3% NaCl Resistance (23°C for 90 days)	no corrosion detected	ISO 175:2010

## Order Information

Article No.	Dimensions	Box Packaging
3041	100mm x 8m x 2.2mm	6 rolls per carton
3042	200mm x 8m x 2.2mm	2 rolls per carton

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