



Ancorro VE For Corrosion Prevention & Sealing

ANCORRO VE Subsea

PDS

Description

ANCORRO VE Subsea is a stretchable non-woven fabric backed, non-crystalline polyolefin-based polymer for corrosion prevention on condensing or submerged ferrous and non-ferrous surfaces.

ANCORRO VE Subsea maintains low viscosity and does not cure, remaining stress free throughout its lifespan.

ANCORRO VE Subsea is the primary layer of ANCORRO's two-layer corrosion prevention system, applied on wet surfaces.

Features & Benefits

- * Complies to ISO 21809-3
- * Non-toxic to the environment and safe to handle
- * Self tightening effect due to stretchable fibre backing
- * Water trapped between the surface and ANCORRO VE Subsea (during application) is absorbed into the VE Subsea compound
- * No primer is required
- * Roughness profile not required
- * Resistant to chlorides

Application Notes

- * Recommended application temperature of between +5°C to +45°C.
- * Application area to be clean and free from marine growth and remnants from previous coatings.
- * Prepare the surface to St 2 / SSPC SP 2 (minimum). Water jet cleaning equipment may be used.
- * A roughness profile is not required.

General Installation

- * Apply ANCORRO VE Subsea with tension.
- * Remove the leading edge of the release liner and apply ANCORRO VE Subsea directly onto the substrate.
- * Once anchored, continue to remove the release liner and apply with tension, press firmly on ANCORRO VE Subsea and follow the pipe contour to displace the majority of water between the compound and the surface.
- * Start with a straight circumferential wrap and overlap the existing coating by 200mm.
- * Continue to apply spirally with a side overlap of 50%, maintaining tension during application.
- * When a new roll is required, start with a straight circumferential wrap and a 100mm overlap to the previous roll.
- * Finish with a straight circumferential wrap and overlap the existing coating by 200mm.
- * The last half of the final wrap is to be applied without tension and facing down.

Mechanical Protection

- * ANCORRO VE Subsea requires immediate mechanical protection upon completion.
- * Use ANCORRO Moisture Curing GRF or an approved mechanical protection layer.

Inspection

- * The surface should be smooth and tight, maintaining 50% overlap and 200mm overlap to the existing coating.

Handling & Storage

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

Technical Properties

Color	brown	NA
Thickness	≥ 3.2mm	ISO 21809-3:2016 Appendix B
Density	1.2 to 1.5g/cm ³	ISO 1183-1:2012 Method B
Temperature Range	-20°C to +50°C	NA
Drip Resistance (70°C)	no dripping (48hours)	ISO 21809-3:2016 Annex K
Peel Strength (to steel & PE)	23°C ≥ 0.04N/mm & coverage ≥95%	ISO 21809-3 Annex D
	T _{max} ≥ 0.02N/mm & coverage ≥95%	
Lap Shear Resistance (to steel)	23°C ≥ 0.04N/mm ² , coverage ≥ 95%	ISO 21809-3 Annex J
	T _{max} ≥ 0.001N/mm ² , coverage ≥ 95%	
Specific Electrical Insulation Resistance	≥ 10 ⁸ Ω·m ² (23°C)	ISO 1853:2018 Annex F
Impact Resistance with GRF	≥15J (23°C)	ISO 21809-3:2016 Annex D
Indentation Resistance with GRF (10Mpa)	residual thickness ≥0.6mm (23°C)	ISO 21809-3:2016 Annex E
3% NaCl Resistance (23°C for 90 days)	no corrosion detected	ISO 175:2010
Fresh Water Resistance (23°C for 90 days)	no corrosion detected	ISO 21809-3 Annex D

Order Information

Article No.	Dimensions	Box Packaging
3051	100mm x 5.7m x 3.2mm	6 rolls per carton
3052	200mm x 5.7m x 3.2mm	2 rolls per carton

Ancorro Co., Ltd.

No.117, South 3rd Road, Eco-Tech Development Zone, Longquanyi District, Chengdu, Sichuan, China

Website: www.ancorro.com

Email: info@ancorro.com

Tel: +86 28 6985 9217