



Ancorro VE For Corrosion Prevention & Sealing

ANCORRO **PDS** VE SelfFusion

Description

ANCORRO VE SelfFusion is a stretchable EPDM rubber backed, non-crystalline corrosion prevention and sealing polymer which can be directly applied to clean and dry ferrous or non-ferrous surfaces.

ANCORRO VE SelfFusion remains flexible and stress free, offers low permeability to water and gases/vapours.

ANCORRO VE SelfFusion does not require mechanical protection and is cold applied directly to the surface.

ANCORRO VE SelfFusion is for small diameter, above ground applications.

Application include above ground pipe, elbows, bends, steel-plastic converters & thread connectors.

Features & Benefits

- * Complies to ISO 21809-3
- * Cold applied and UV resistant
- * Excellent adhesion to metals and plastic
- * Does not require mechanical protection
- * Self tightening
- * Flexible with good conformability to irregular shapes
- * Good resistance to ageing
- * Non-toxic to the environment, safe to handle

Application Notes

- * 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

- * Apply with tension. ANCORRO VE SelfFusion can be stretched up to twice its original length.
- * Remove the leading edge of the release liner and apply ANCORRO VE SelfFusion directly onto the substrate.
- * Once anchored, continue to remove the release liner, stretch and apply, 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 3mm to 5mm.
- * When a new roll is required, start with a straight circumferential wrap and overlap 50mm to the previous roll.
- * Finish with a straight circumferential wrap (facing downwards) and overlap the existing coating by 100mm.
- * The last half of the final wrap is to be applied without tension.

Inspection

- * The surface should be smooth and tightly contoured to the surface, and devoid of air pockets.

Handling & Storage

- * Keep boxes upright and out of direct sunlight.
- * Store indoors in a dry environment at temperatures less than 40°C.
- * ANCORRO VE SelfFusion has a recommended 5-year shelf life.

Technical Properties

Color	black or yellow	NA
Thickness	≥ 1.0mm	ISO 21809-3:2016 Annex B
Density	1.2 to 1.5g/cm ³	ISO 1183-1:2012 Method B
Elongation at break	≥ 500%	ISO 527-2:2012
Temperature Range	-30°C to +70°C	NA
Drip Resistance (T _{max} + 20°C)	no dripping (48hours)	ISO 21809-3:2016 Annex K
Glass Transition Temperature	≤ -50°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 of reinforced compound with respect to steel and to plant coating before and after thermal ageing (100 days)	23°C ≥ 0.3N/mm, ≥ 95% coverage	ISO 21809-3:2016 Annex H, M.3 & I
	T _{max} ≥ 0.03N/mm, ≥ 95% coverage	
Lap Shear Resistance	23°C ≥ 0.3N/mm, ≥ 95% coverage	ISO 21809-3:2016 Annex J
	T _{max} ≥ 0.003N/mm, ≥ 95% coverage	
Specific Electrical Insulation Resistance	≥ 10 ¹⁰ Ω·m ² (23°C)	ISO 21809-3:2016 Annex F
Impact Resistance	≥ 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
6101	50mm x 3m x 1.0mm (Black)	27 rolls per carton
6103	50mm x 5m x 1.0mm (Black)	27 rolls per carton
6105	75mm x 4m x 1.0mm (Black)	24 rolls per carton
6102	50mm x 3m x 1.0mm (Yellow)	27 rolls per carton
6104	50mm x 5m x 1.0mm (Yellow)	27 rolls per carton

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