

## **ENVIRAWRAP**

**Corrosion protection system using an encasing jacket, intended for use on dock piles, offshore platforms, vertical risers, and subsea pipelines.**

The **ENVIRAWRAP** system is a high-performance monocoque jacket designed for corrosion protection of piles and structural elements exposed to harsh marine environments. Its modular design enables fast and secure installation in splash zones and deep water, significantly reducing intervention time compared to conventional multilayer systems.

Manufactured from ultra-resistant marine-grade composite materials, the ENVIRAWRAP jacket is specifically developed for structures with steel, concrete, or wood substrates, providing a watertight and flexible enclosure that preserves substrate integrity under extreme conditions of salinity, humidity, and mechanical stress.

Its removable and reusable system allows for periodic substrate inspection without compromising the structure or requiring specialized tools for reinstallation, facilitating both predictive and corrective maintenance.

Thanks to its sectional construction, it can be adapted to variable lengths, effectively encapsulating virtually any pile or structural column dimension without the need for complex on-site adjustments.

The system comes with a warranty of up to 20 years, ensuring its performance and durability in compliance with international offshore protection standards.

### **Technical Specifications – Envirawrap Standard**

Property	Standard	Typical Value
Material	-	100% PTMEG Polyurethane
Color	-	Black
Surface Roughness, (Max.)	-	280 R.M.S.
Felt Material	-	Polyester
Total Thickness Including Felt	-	4.5mm
Felt Weight	ASTM D-751	450gm m <sup>2</sup>
Total Weight	ASTM D-751	1185gm/m <sup>2</sup> terminada
Tensile Strength MD/XMD	ASTM D-751	500/500 lbs.
Tear Strength MD/XMD	ASTM D-751	200/200 lbs. ± 20 lb.
Abrasion Resistance (Taber Test)	ASTM 3389 1000g weight, H18 wheel.	>70.000 ciclos. Nylon fabric exposure.
Coating Adhesion	ASTM D-751	35 (±5) lb/Inch..
Accelerated Aging	ASTM D-4396	1000 hours. Excellent
Low Temperature Flexibility	ASTM D-746	-62º C
Operating Temperature of the Jacket (Standard)	Envirawrap Standard	-20ºC a 90ºC
Operating Temperature of the Jacket (Standard)	Envirawrap Special.	-40º a 120º

A Heavy Duty (HD) version, designed to withstand significantly more severe service conditions, is also available.

Platform Applications:





### **Technical Features and Benefits of Envirawrap:**

One-piece installation

Rapid installation by divers or riggers; no scaffolding required

Minimal surface preparation

Excellent resistance to UV, impact, and abrasion

Standard 3-meter lengths that can be overlapped to cover any pile or pipeline length

Easy to install, remove, and reinstall

Can be equipped with a corrosion rate monitoring system

Design life is 20 years in severe conditions 20-year.

The warranty period is 10 years.

Our technical service engineers will work alongside the client's divers or riggers during installation. We also provide the specialised installation tools

**Liability and Warranty:** For details regarding the scope of liability and the standard product warranty statements, please refer to the Standard Terms and Conditions of Sale of Pitegrity SL.

### **Contact Information**

Sebastian Gutierrez

Technical Commercial Manager

+447469768510 +34625341127

s.gutierrez@pitegrity.com

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