TESI ENVIRAWRAP™

WHAT IS ENVIRAWRAP?

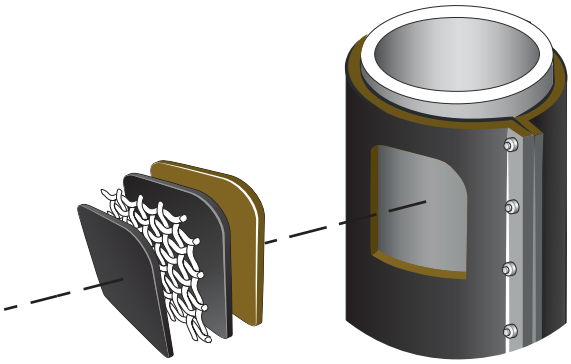
ENVIRAWRAP is a physical passive corrosion protection system for pilings of inshore and offshore marine infrastructures, such as piers, docks, bridges and offshore platforms. It consists of only one-piece installation, elastomeric reinforced wrap.

DESIGNED TO ENSURE MAX PROTECTION WITH OVER 30 YEARS OF PROVEN PERFORMANCE

The coating technology is composed by the following layers, incorporated

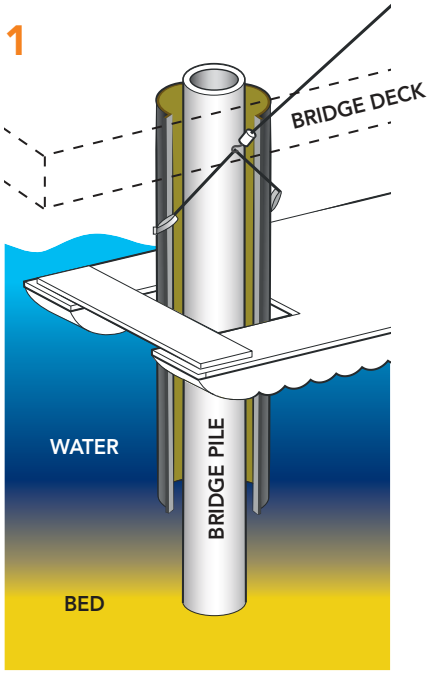
ALL IN ONE PIECE:

- Impact and abrasion resistant PU outer layer.
- Elastic scrim to provide permanent hoop stress.
- PU inner layer.
- Felt impregnated with anti-corrosion and hydrophobic gel.



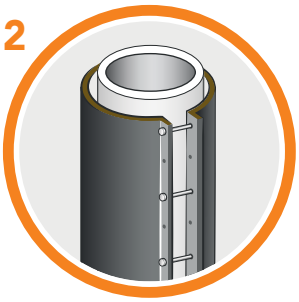
INSTALLATION HAS NEVER BEEN SO FAST AND EASY

1



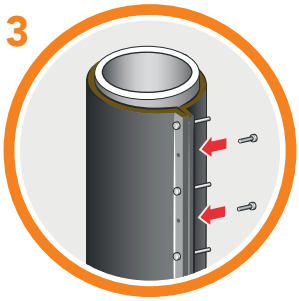
Position the Wrap – Place the ENVIRAWRAP in the correct position around the structure to be protected by using the lifting lugs integrated onto the wrap.

2



Close the factory-fitted Flanges – Use temporary, reusable draw bolts or hydraulic installation calipers to draw the flanged closure together.

3



Secure with Permanent Bolts – Replace the draw bolts with permanent bolts or directly mount permanent bolts, if caliper has been used, to induce hoop tension and ensure a firm seal that eliminates residual moisture and prevents oxygenated water ingress.

ENVIRAWRAP ADVANTAGES:

- **It's elastic and cut to size!** It can suit different pile shapes, sizes, materials and follow material thermal expansions. Its elasticity is permanent, it will not loosen, slip-off or sag thanks to the inner scrim and PU fabric features.
- **Permanent Hoop tension** (imposed up to 1 ton/sq. meter) is achieved by bolt tightening which forces the anti-corrosion material, that impregnates the felt layer, against the pile's surface and into its irregularities.
- I**t's resealable!** The wrap can easily be opened and resealed to allow substrate inspections.
- **One-piece, One-step installation even underwater!** Unlike its competitors, it protects the substrate without the prior use of primers, fillers or tapes. The felt layer repels the water while installing underwater.
- **No need for blasting and primers**, or white metal surface preparation.
- **Can be applied directly** on rusty steel surfaces.
- **Only mechanical removal** of marine growth and, if any, delaminated iron oxide is necessary.
- **Installation time** 1/10 less than competitors.

ENVIRAWRAP APPLICATION

1. **Steel piles**
2. **Timber piles**
3. **Concrete piles**
4. **Offshore OIL&GAS risers**
5. **H-piles**

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