

Leader in Pile Repairs



The innovative **PileJax Systems** provide cost effective solutions to pile degradation in wharf, bridge, pier, jetty and infrastructure assets. PileJax repairs timber, steel and concrete piles suffering from all types of degradation and corrosion.

The **PileJax** jacket is manufactured from high quality composite materials and is an integral component of the **PileJax System**. Superior performing grouts, resins or additives and strengthening products complete the **PileJax System** of pile repair.

The internationally patented rapid fit **PileJax** jackets also incorporate the innovative, patented Joinlox technology to enable fast installation and deliver a durable repair and long term protection at a significantly reduced installed cost.

PileJax Systems are suitable for all marine repair requiring medium-heavy duty repairs or corrosion protection.

- Rapid installation, reduced labour time = cost savings
- Provides a cost-effective, long term barrier protection against water, oxygen, borers and other issues
- Engineered design and rigorous testing to provide a proven system for all repairs and encapsulation

- Manufactured from high quality filament wound fibre composite materials- no metallic components
- Can be used as a durable shield for lightly corroded and new piling systems
- Small annulus for insertion of epoxy or grouts to provide a long-lasting corrosion protection in any hostile environment
- Light weight materials making handling in difficult conditions easier and safer
- Full composite construction – no metallic components
- No requirements for cathodic protection
- Leave in place to provide protection against wave action, debris and human interference
- Long life repair with reduced ongoing maintenance



www.joinlox.com/pilejax

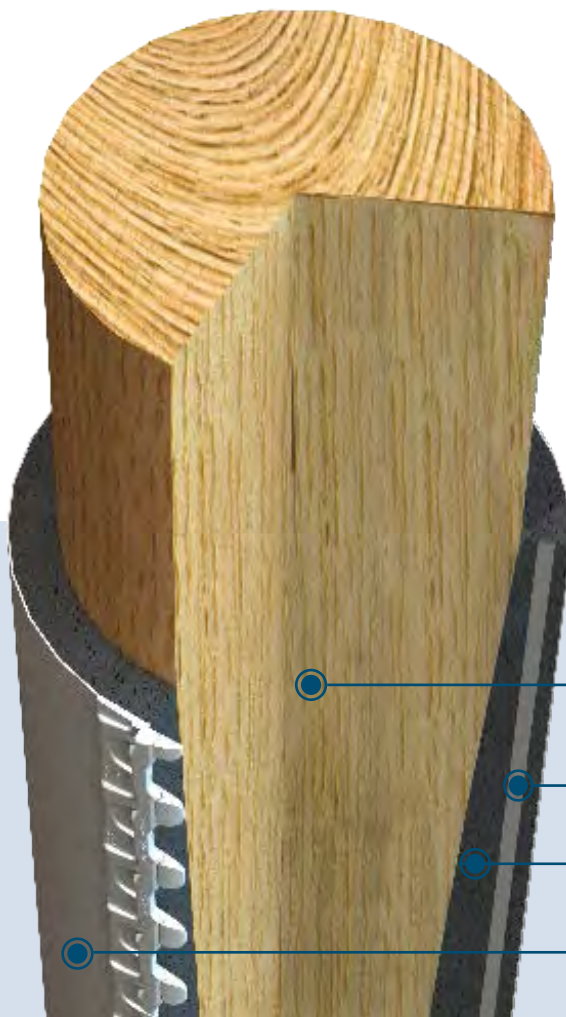
pilejax@joinlox.com

Timber pile repair

timber

SEGMENT LENGTHS
1m-6m / 3-22ft

DIAMETER
0.3m-1.8m / 16-82.5in



● TIMBER PILE: Wharf, Bridge, Pier, Jetty or infrastructure assets

● CFRP REINFORCEMENT (OPTIONAL)

● GROUT: Suitable for Cementitious or Epoxy Based Grouts

● PILEJAX JOINING SYSTEM: Engineered Joining Systems installs twice as fast than any other system

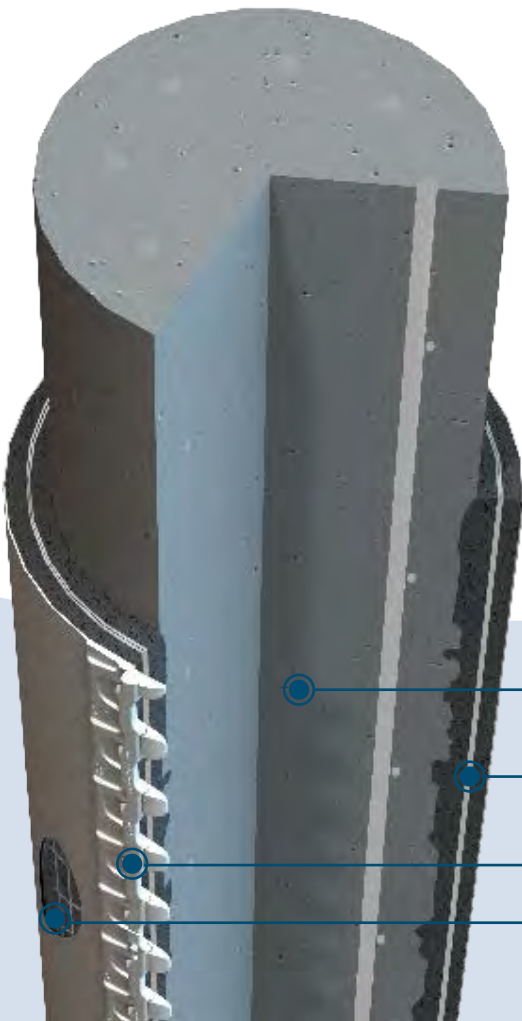
- ✓ Protection from numerous environmental factors that can cause wood pile degradation.
- ✓ Protection from fungi deterioration, marine borers, limnoria, shipworms and pholads.
- ✓ Protection from bacteria.
- ✓ Protection from chafing and flotsam damage.

Concrete pile repair

concrete

SEGMENT LENGTHS
1m-6m / 3-22ft

DIAMETER
0.3m-1.8m / 16-82.5in



● **CONCRETE PILE:** Any Wharf, Bridge, Pier, Jetty or Infrastructure Assets.

● **GROUT:** Suitable for Cementitious or Epoxy Based Grouts

● **PILEJAX JOINING SYSTEM:** Engineered Joining Systems installs twice as fast than any other system

● **OPTIONAL REO:** Additional reinforcements can include FRP Grid Mesh or Fibres

- ✓ Protection from numerous environmental factors that can cause concrete pile degradation.
- ✓ Protection from crack formation in concrete piles.
- ✓ Protection from alkali-silica (ASR) reactivity.
- ✓ Protection from splash zone tensile deformation.

Steel pile repair

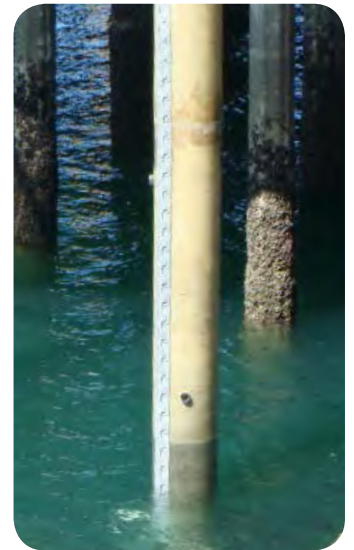
steel

SEGMENT LENGTHS

1m-6m / 3-22ft

DIAMETER

0.3m-1.8m / 16-82.5in



STEEL PILE: Wharf, Bridge, Pier, Jetty or infrastructure assets

GROUT: Suitable for Cementitious Grouts or Epoxy Resins

CATHODIC PROTECTION (OPTIONAL)

PILEJAX JOINING SYSTEM: Engineered Joining Systems installs twice as fast than any other system

- ✓ Protection from numerous environmental factors that can cause steel pile degradation and corrosion.
- ✓ Protection from Accelerate Low Water Corrosion (ALWC), common in steel pile corrosion and microbial influenced corrosion (MIC).
- ✓ Protection from steel pitting.

Available Worldwide



PileJax™ and Joinlox® are trademark and patent protected internationally.

Disponibile International
Disponibile Internacionalmente
Erhältlich International
Disponibile In Tutto Il Mondo
利用可能なワールドワイド
全球販售