RAPID PILE REPAIR KIT

Compatible with Current Military Engineering Capabilities

DESCRIPTION
PileMedic® is a high-strength Fiber Reinforced Polymer laminate constructed with bidirectional glass fabrics providing strength in both longitudinal and transverse directions.

The laminate is wrapped around the column or pile and the overlapping portions are bonded together using QuakeBond 220UR (Underwater Resin). The annular space between the laminate and the host pile is filled with a non-shrink grout.

USED FOR REPAIR AND STRENGTHENING OF:
- UNDERWATER PILES
- BRIDGE PIERS
- COLUMNS
- POLES

APPLICABLE TO ALL MATERIALS:
- CONCRETE
- TIMBER
- STEEL

ADVANTAGES
One Size Fits All – A roll of laminate can be cut in the field to fit any shape or size pile.
Axial and Flexural Strength – PileMedic® laminates are reinforcing sheets, like steel plates. They have the equivalent strength of a #4 rebar spaced every 2.5 inches.
Confinement Pressure—No bolted or glued seams that become the weak point under loading.
Long Lifespan—Made of composite materials that will not corrode.
Ease of Installation - Minimal training and equipment needed for rapid installations.
Full Restoration of Pile Capacity – Full capacity is reached within 24 hours.
Rapid Pile Repair Kit

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A five man crew can repair 40 Linear Feet of pile in 8 hours! - Independent Assessor

1) Clean Pile—use water blasting or scraper
2) Install Spacers and Skirt on Pile—type and number explained in kit manual
3) Measure, Cut & Coat Jacket—jacket gets a thin layer of epoxy
4) Wrap and Strap Jacket in Place—zip ties hold jacket while epoxy cures
5) Fill Annular Space—set grout plug and fill the inside of jacket.

Pile Repair Kit
58" X 42" X 45" and 1700lbs

One kit repairs 200 linear feet of pile (based off a 25 inch diameter pile, grout not included)

Tool Kit -

- Electric drills
- Heavy Duty Shrink Wrap
- 1/2" drill bit kit
- Pneumatic cartridge gun
- Manual Cartridge gun
- Pneumatic drills
- Pneumatic Oil
- Magnetic drill bits
- Zip Tie Tensioner
- Measuring tape
- Measuring paddle
- Measuring Cups
- Mechanic Gloves
- Measuring Cups
- Nylon rope
- Gloves
- Shears
- String

Filling Annular Space with Grout

Passing Laminate to Divers

Contact PILEMEDIC at (520) 791-7000 or visit us at www.pilemedic.com

Click here for more product information and testing done by the U.S. Army Corps of Engineers
Click here to see the installation steps video