JET-LUBE®

# IMPACT PROTECTION
# PIPEARMOR™

**DURABLE RESISTANCE** - to abrasion, impact, wear, and environmental degradation

**EFFECTIVE PROTECTION** - to weld seams installed over tapes and coatings

**EXCELLENT ADHESION** - to pipe surfaces

**WATER-ACTIVATED** - urethane resin cures to a stable, fully encased matrix

**MINIMAL SURFACE PREPARATION** - to pipe surfaces

**EASY CONTROL** - Spiral application provides precise control to achieve desired thickness

**SAFE** - Heat-free installation suitable for any weather, pipe orientation, or geometry

# PIPEARMOR™

## *ABRASION-RESISTANT WRAP*

Jet-Lube's PipeArmor is a heavy-duty outerwrap that provides superior protection for weld seams, pipelines, pilings, and directional drilling applications, shielding them from external wear, abrasion, and impact in harsh environments. It can also be applied underwater, maintaining its material properties and cure rate without compromise.

PipeArmor features a specially woven fiberglass wrap, pre-coated with a durable urethane resin activated by water. Its high-strength bond provides outstanding shear resistance, making it ideal for applications where pipes or pilings may be subject to pulling forces. The unique weave design of the reinforcement wrap allows for smooth, spiral application, enabling efficient installation over long sections of pipe or pilings. Installing PipeArmor is straightforward—simply add water, wrap the composite around the area needing protection and secure it with compression banding.

**APPLICATIONS** *(Can also be applied underwater)*

- Pipelines
- Weld Seams
- Pilings
- Directional Drilling Applications

**AVAILABLE WRAP SIZE:** 12.5" width - 30' length | Part# 41970

Additional Add-on Accessories:
- Compression Banding - 12" x 700' Roll | Part# 111-JW 12
- Perforating Tool | Part# 111-ROLLER

**PLY THICKNESS:** 55-60 mil (cured)

**CURE TIME:** Tack free in 30 to 60 minutes at temperatures of 50°F (10°C) to 80°F (27°C)

**SERVICE RATING:** -20°F (-29°C) up to 250°F (121°C)

**Important**
Read the entire set of instructions before beginning! Do not open pouch before ready to begin.

# SURFACE PREPARATION INSTRUCTIONS

**Step 1:** Clean and/or degrease the pipe surface with a suitable solvent (for example, water) or water-based degreaser.

**Step 2:** For overwrapping of degraded piping, remove any loose scale or paint using sandpaper, coarse file, rasp or grinder to produce a bright metal finish.

**Step 3:** For best results, prepare an area around the entire pipe circumference, with a width equal to that of the intended wrap coating.

**Step 4:** Thoroughly rinse the repair area with water to remove remaining fine dust, dirt, or debris.

**Step 5:** When overwrapping girth welds of new piping, the adjacent factory-applied coating should be cleaned with denatured alcohol or acetone to remove any dust or grease and moisture. Surface preparation should extend a minimum of 4” beyond both the leading and non-leading edges of existing corrosion prevention coatings.

# INSTALLATION INSTRUCTIONS

**Step 1:** Locate all required materials before beginning installation. These include a water spray bottle, wrap in foil bag, nitrile gloves, compression banding, and perforating tool. It is often helpful to employ multiple installers and hand the wrap back and forth as it is being wrapped.

**Step 2:** Put on gloves.

**Step 3:** Tear open the foil pouch and remove roll. Remove the inner plastic wrap and unroll approximately 18” of the wrap. Spray water (heavy mist) onto both sides of the wrap for approximately 10 to 15 seconds.

**Step 4:** Initiate installation of wrap on the trailing edge of the cut back or run to be coated. A minimum of 4” of overwrap must be applied over any existing corrosion prevention coating.

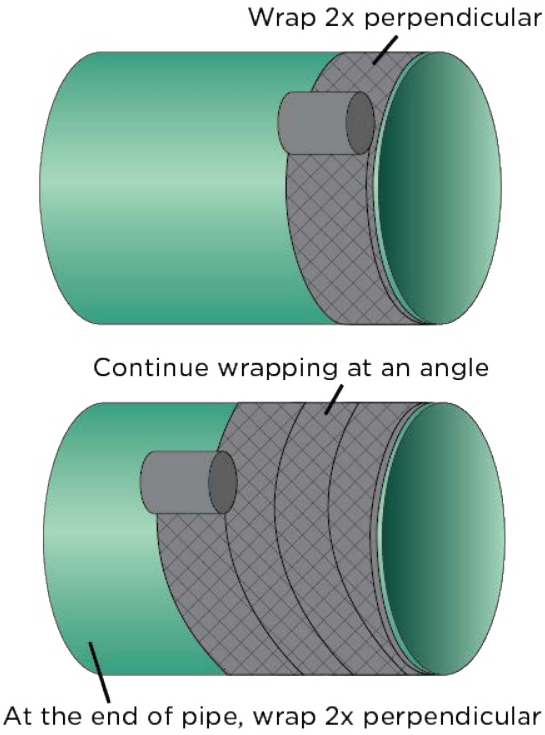
**Step 5:** Wrap the wrap as tightly and evenly as possible while continuously misting/spraying the composite wrap and the pipe surface. Spiral the wrap with a 50% overlap towards the leading edge of the overwrap to produce a 2-ply coating. The % overlap may be varied to increase the number of coating plies.

**Step 6:** For extended lengths of wrap requiring multiple rolls, continue spiraling additional rolls, providing at least 4” of circumferential overlap where previous roll ended. Plan the application of the wrap in the vicinity of the edges in order to provide a tapered coating, avoiding excess thickness and a step edge.

**Step 7:** Immediately after all required rolls have been applied, apply compression banding, wrapping in the same direction and orientation as the wrap was applied. Tightly apply 4 layers by wrapping with 50% overlap across the entire length of the wrap, reversing direction at the end to return with 50% overlap to the starting point.

**Step 8:** Perforate the compression banding across the entire surface to allow excess water and off-gassing to escape.

**Step 9:** Wait approximately 3-4 hours before removing compression banding. Although tack free, composite hardness will continue to increase with time.



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**jetlube.com/contact | 800.538.5823 | 713.670.5700**

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