



ROCKARMOUR™

THE EFFICIENT ROCKSHIELD

**PIPELINE COATING PROTECTION
INSTALLATION GUIDELINES**

INSTALLATION GUIDELINES

Rock Armour™ PRO

Rock Armour™ PRO is installed in longitudinally wrapping method with all diameters of pipe as shown in picture 1 with custom widths to fit project specific pipe diameter with a nominal overlap of 6 inches. A manual installation method for a short roll is utilized with pipe diameters $\leq 24"$, and a spreader bar assembly is utilized for pipe diameters $\geq 24"$ for ease of installation. The product comes included with heavy duty plastic ties 3-foot intervals. A tensioner tool and self-locking head are needed to secure product around pipe. This system provides you with the fastest and most economical installation process.

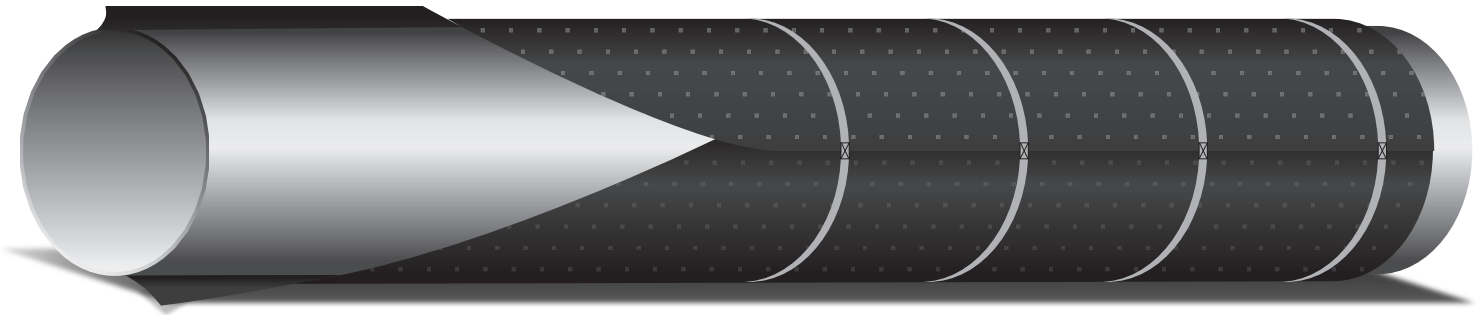


Figure 1: Longitudinal Wrap

Rock Armour™ PRO Pro will come in various lengths depending on project specific pipe diameter and available equipment on site.

INSTALLATION FOR PIPE WIDTH \geq 24"

Pipe Diameter \geq 24 inches: Rolls are typically 340 ft. in length but custom lengths can be provided upon customer request. These longer rolls are installed using a special assembly on an excavator that allows the roll to be installed on the center of the roll. Typically, a spreader bar is attached to excavator stick directly as shown in photographs below or can be attached to excavator stick via a quick coupler attachment.

1. Place roll of on roll assembly of spreader bar to prepare for installation.
2. Place roll centered on top of pipe and unroll parallel to the pipe.
3. Wrap the **Rock Armour™ PRO** around the pipe over lapping the edges with a nominal 6 inch overlap.
4. Begin inserting connector heads on the support ties.
5. Position the ties on top of the pipe and begin tightening the **Rock Armour™ PRO** onto the pipe.
6. Overlap the ends of rolls with 4 to 6 inches.



INSTALLATION FOR PIPE WIDTH ≤ 24"

Pipe Diameter ≤ 24 inches: Rolls are typically 30 - 50 ft. in length but custom lengths can be delivered on request. These shorter rolls allow for manually installing product without need for an excavator.

1. Manually place roll on center and top of pipe.
2. Unroll parallel to the pipe.
3. Wrap the **RockArmour™ PRO** around the pipe over lapping the edges with a nominal 6 inch overlap.
4. Begin inserting connector heads on the support ties.
5. Position the ties on top of the pipe and begin tightening the **RockArmour™ PRO** onto the pipe.
6. Overlap the ends of rolls with 4 to 6 inches.

Around Skid Sets:

1. Roll is sliced next to skid set utilizing snips or utility knife
2. A tie is then tightened at edge to secure overlap
3. Once skid set is removed then fasten ties around **RockArmour™ PRO** pad around pipe section.



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