



PipeJacket™ Rock Shield



GENERAL

PipeJacket™ Rock Shield is made in the USA. PipeJacket is a non-woven protective pipe wrap consisting of small diameter (approximately 0.050”) strands of flexible PVC. The strands are bonded to each other in a controlled, random pattern. PipeJacket RockShield protects pipe coatings from direct impact during backfill operations. It also provides long-term protection by keeping hard objects in the backfill away from the pipe coating during operation of the line. PipeJacket protects the pipe coating from these abrasive objects as lateral and longitudinal movements occur.

TO INSTALL

PipeJacket is installed in any of **three ways**, depending on the pipeline diameter, available equipment and contractor’s choice.

Method 1 - For pipelines measuring 20” in diameter or less the “cigarette wrap” method is recommended. Unroll PipeJacket rolls along the top of the pipe allowing the free edges to hang down. The width of the PipeJacket **roll** is matched to the circumference of the pipe and includes a nominal overlap of 4”. Secure the free edges in place with monofilament tape or nonmetallic strapping overlapping the ends at the 6 o’clock position of the pipe for maximum protection

Method 2 – 72” wide PipeJacket **pads** are available cut to length matching the circumference of the pipe. Pads are wrapped around the circumference of the pipe, with ends overlapped approximately 2” to 4” at the 6 o’clock position. Pads are secured in place with monofilament tape or nonmetallic strapping. Pads are placed in this manner along the length of the pipe with an edge overlap of 1” to 2”

Method 3 – The third method of installing PipeJacket is spiral wrapping. PipeJacket can be purchased in **roll** form and spiral wrapped around the pipe by hand or with a spiral wrap tape machine.





Technical Notes

PipeJacket Rock Shield

PipeJacket

PHYSICAL PROPERTY DATA Minimum thickness – 3/8” PipeJacket Rock Shield

Property	Equivalent Test Method	Typical Results ¹
Impact Strength	ASTM G14 spherical point	241 inch-pounds
Impact Strength	ASTM G14 (-35F)	235 inch-pounds
Compressive Strength	ASTM D1621 (modified)	54 psi @ 50% compression
Impact Resistance	ASTM G13 (modified ²)	No failure @ 6” rock
Tear Strength	ASTM D624	69.6 lbf/in of thickness
Tensile Strength	ASTM D4595	1,378 psi
Elongation	ASTM D4595	459%
Low Temp Brittleness	ASTM D746	-62°F
Bacteria Resistance	ASTM G22	No growth
Cathodic Protection	Custom	No inhibiting effect
Weight: 3/8”		Approx. 0.825 lb/ft ²
Melt Temperature	Custom	300°F

¹ Testing results subject to minor change due to routine testing

² Test modified to include rocks progressing in size from 1 1/2”, 3”, 4” and 6”, 10 drops each. Each drop consisted of releasing 50+ of stone from a height of 6’-0” onto an epoxy coated plate protected by PipeJacket. With the plate inspected for coating damage after each drop.

AVAILABILITY AND SIZE

PipeJacket is available in 3/8” thickness and in rolls or pads up to 72” wide. PipeJacket can be produced in any length. Custom size PipeJacket rolls and pads are quickly made to order to fit virtually ANY size pipe.