

Grid-GuardHD Plus

Heavy Duty – 11mm (3/8")
with a geotextile backing

GRID-GUARDHD Plus Pipeline Protection Grid is an extruded polyethylene 11mm (3/8") three-dimensional mesh/grid with the addition of a geotextile fabric backing. Installed on both steel and plastic pipelines

PROTECTION

- Offers greater impact protection during backfill operations
- Offers additional protection after burial; fabric acts as slip sheet around the pipe, helping to minimize soil stress on tapes and coatings
- Does not interfere with cathodic protection
- Consistent thickness throughout
- Available in custom rolls and pads
- Lightweight and flexible

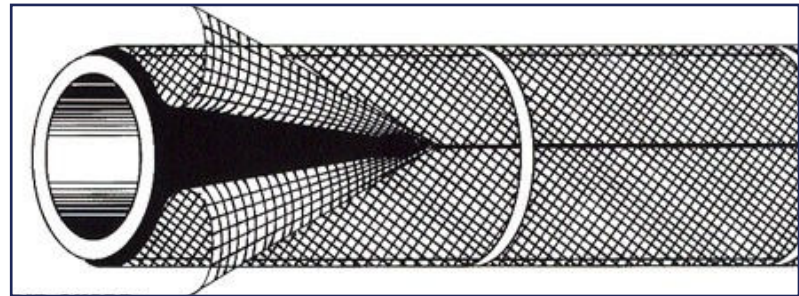
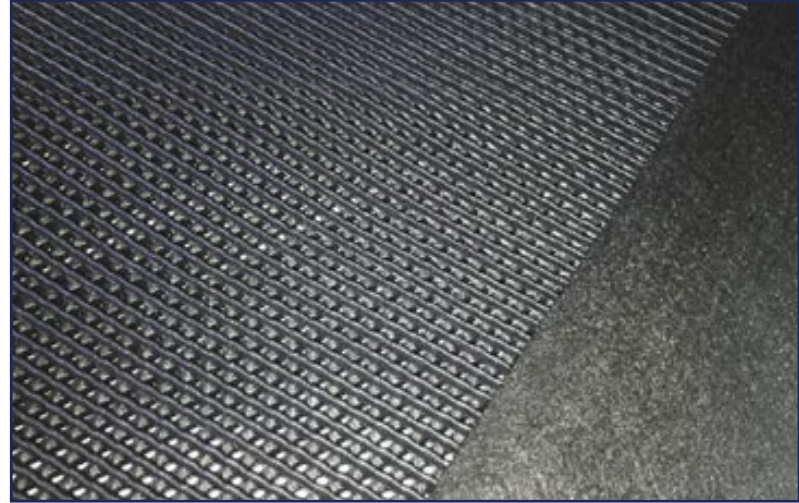
PRODUCT SPECIFICS

- Available in both rolls and pads for any size pipeline
- Rolls up to 6' in width
- Pads for pipelines greater than 24" in diameter
- 6" overlap recommended
- HD Plus+ includes a heat laminated geotextile backing (6 oz. non-woven)

TESTS and Technical

Measurement	Test Method	Units	Typical Results
Impact Strength	ASTM G14	in-lbs	141.7
Rock Drop Test	ASTM G13 (Modified)	n/a	No failure at 4" rock size drop 1
Rock Drop Test	ASTM G13 (Modified)	n/a	No failure at 6" rock size drop 1
Compressive Strength	ASTM 1621	psi	90 @ 50% Deformation
Tensile Strength	ASTM D 4595	Lbs/in	MD/58 TD/30
Cathodic Protection	Copy of 3rd party CP shielding test and reporting available.		Does not shield

¹ A drop consisted of released 50+ lbs of limestone from a height of 6' onto a fusion bonded section of an epoxy coated steel pipeline protected by Grid-GuardHD Plus+. Results are indicated after two drops of the same. Independent lab responsible for tests and verification.



PHYSICAL PROPERTIES

- Structure Diamond Grid/Mesh
- Polymer Polyethylene
- Geotextile 6 oz non-woven
- Color Black
- Thickness 11mm (3/8")
- Weight .45 lb/ft²

**For Pricing And Availability Contact Our
Canadian Sales Team at 780-962-6559 or Visit CrossCountryIS.com**

HD PLUS ROLLS (11mm w/geotextile backing)

Pipeline Diameter	Pipe Circumference	"Roll Size (4" - 6" overlap as recommended)"	Square Foot Per Roll
2"	7.45"	12" x 50'	50
4"	13.9"	21" x 50'	87.5
6"	19.6"	28" x 50'	115
8"	27"	3' x 50'	150
10"	33.75"	3.5' x 50'	175
12"	40"	4' x 50'	200
16"	50.2"	4.75' x 50'	237.5
18"	56.5"	5' x 50' or 6' x 50'	250 / 300
20"	69"	6' x 50'	300
24"	75.3"	7' x 30'	210

HD PLUS PADS (11mm w/geotextile backing)

Pipeline Diameter	Pipe Circumference	"Pad Size (4" - 6" overlap as recommended)"	Square Foot Per Roll
24"	75.3"	82" x 6'	41
26"	81.6"	88" x 6'	44
28"	87.9"	94" x 6'	47
30"	94"	101" x 6'	50.5
32"	100.5"	106" x 6'	53
34"	106.75"	113" x 6'	56.5
36"	113"	120" x 6'	60
42"	131.8"	138" x 6'	69
48"	150.7"	157" x 6'	78.5
24"	75.3"	7' x 30'	210

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