

# 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

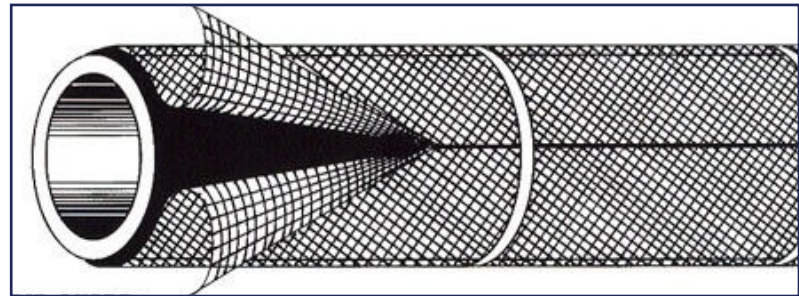
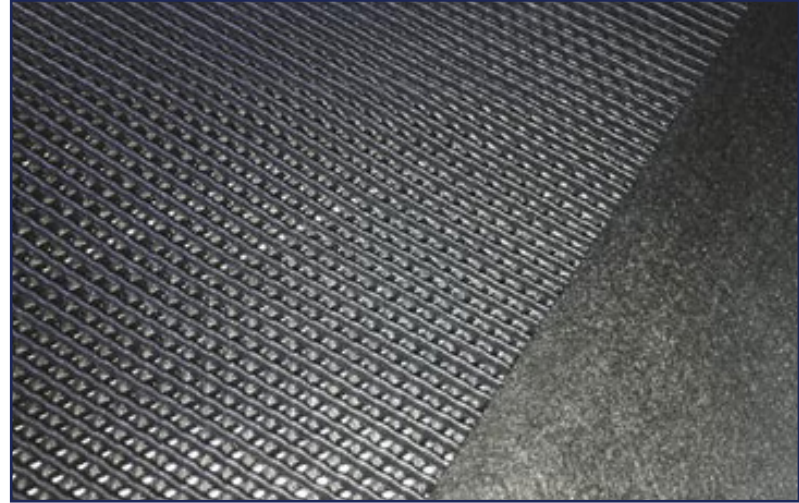
### PRODUCT SPECIFICS

- 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

<sup>1</sup> 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/ft<sup>2</sup>

**For Pricing And Availability Contact Our  
Canadian Sales Team at 780-962-6559 or Visit [CrossCountryIS.com](http://CrossCountryIS.com)**



## HD PLUS ROLLS (11mm w/geotextile backing)

Pipeline Diameter	Roll Size	Square Foot Per Roll	TL Quantities
2"	1' x 50'	50	1,056
4"	2' x 50'	100	648
6"	2.5" x 50'	125	360
8"	3' x 50'	150	360
10"	3.5' x 50'	175	360
12"	4' x 50'	200	312
16"	5' x 50'	250	276
18"	6' x 50'	300	264
20"	6' x 50'	300	264
24"	7' x 30'	210	216

## HD PLUS PADS (11mm w/geotextile backing)

Pipeline Diameter	Pad Size 7' lengths available	Square Foot Per Roll	TL Quantities
24"	82" x 7'	47.8	1,495
26"	88" x 7'	51.3	1,265
28"	94" x 7'	54.8	1,265
30"	101" x 7'	58.9	1,265
32"	106" x 7'	61.8	1,035
34"	113" x 7'	65.9	1,035
36"	120" x 7'	70	1,035
42"	138" x 7'	80.5	805
48"	157" x 7'	91.5	690
24"	75.3"	7' x 30'	210

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