



# RockGuard<sup>®</sup>

## PIPELINE PROTECTION MESH

Application & Installation Methods



L i g h t w e i g h t   D e s i g n   ▪   H e a v y   D u t y   P r o t e c t i o n



# Why specify RockGuard® HD?

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- Designed for ALL regions
- Protection during & after backfill operations
- 11mm consistent thickness
- Half the weight of competitive rockshields
- Designed to allow water to flow around the pipe
- Available in custom roll and pad sizes
- Flexible even in cold temps
- Fast & easy installation
- Shortest lead time nationwide

## Product Benefits

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- 11mm thick (0.43")
- Provides maximum protection
- Recommended for ALL pipeline diameters
- Small aperture openings
- Excellent compressive and impact properties
- No inhibiting effect on cathodic protection
- Ergonomically correct weight

**RockGuard® HD**  
**PIPELINE PROTECTION MESH**  
[www.rockguard.biz](http://www.rockguard.biz)



# The standard in pipeline asset protection

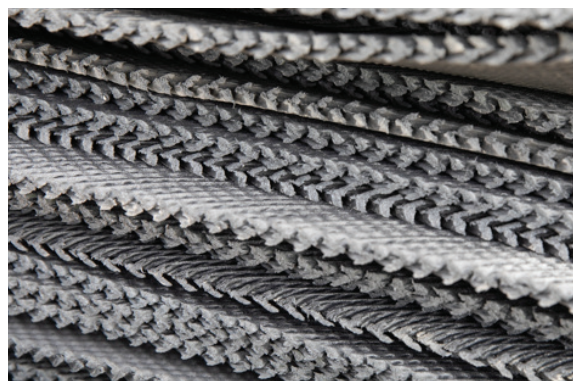
## Rolls - RockGuard® HD (Heavy Duty)

Pipe Diameter	Roll Size Available	Approx. lbs/roll	SF / Roll
4"	21" x 50'	33	87.5
6"	28" x 50'	44	116.5
8"	3' x 50'	57	150
10"	3.5' x 50'	67	175
12"	4' x 50'	76	200
16"	4.75' x 50'	90	237.5
18"	6' x 50'	114	300
20"	6' x 50'	114	300
24"	7' x 40'	106	280
*26" MOQ	7.416' x 40'	113	296.7

\*MOQ of 243 rolls (truckload)

## Pads - RockGuard® HD (Heavy Duty)

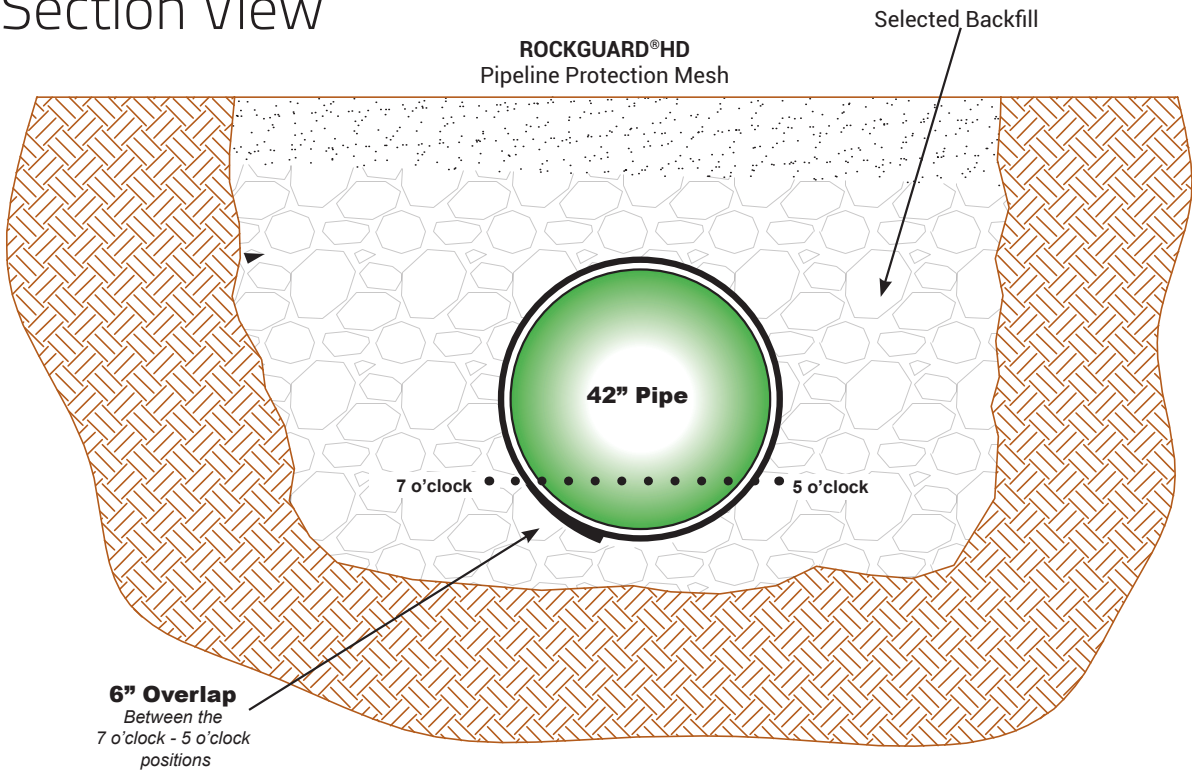
Pipe Diameter	Pad Size Available	Approx. lbs/pad	SF / Roll
30"	8.42' x 7'	22	58.9
34"	9.42' x 7'	25	65.0
36"	10' x 7'	27	70.0
42"	11.5' x 7'	31	80.5
48"	13.08' x 7'	35	91.7



# Application



## Section View



All the above information is given in good faith, but the figures are typical values only and should not be taken as a guarantee of performance. Manufacturing tolerances for dimensional and technical characteristics apply and are available upon request. The company reserves the right to improve the product and adjust the specification without notice.

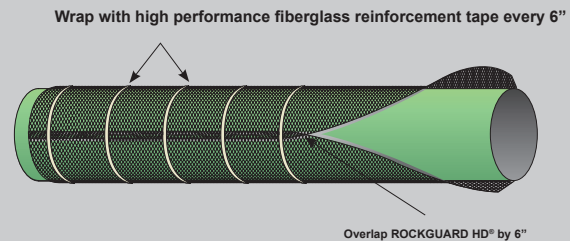
# Installation Methods

ROCKGUARD® HD can be installed along the pipe or around the pipe as per the diagrams and can be secured by means of high performance fiberglass reinforcement tape.

## CIGARETTE / LONGITUDINAL WRAPPING

**For pipes with a circumference of less than 6" in relation to the width of the ROCKGUARD®HD:**

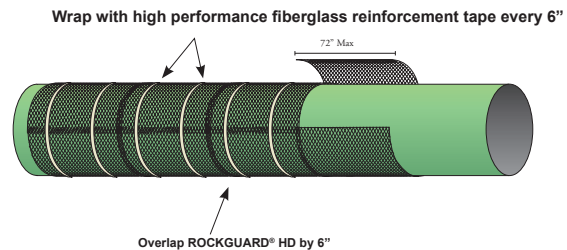
1. Unroll the ROCKGUARD®HD parallel to the pipe which is to be protected.
2. Place the ROCKGUARD®HD above the pipe.
3. Wrap the ROCKGUARD®HD around the pipe overlapping the edges by approximately 2".
4. Fix the ROCKGUARD®HD with high performance fiberglass reinforcement tape.
5. The mesh can be secured with high performance fiberglass reinforcement tape.



## LATITUDINAL WRAPPING

**For pipes with a larger circumference than the roll width:**

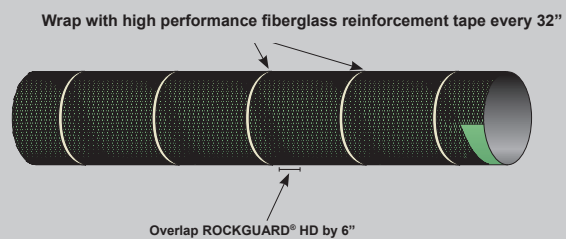
1. Cut the ROCKGUARD®HD into pieces of more than 6" extra than the circumference of the pipe.
2. Place the ROCKGUARD®HD above the pipe.
3. Wrap the pipe with the ROCKGUARD®HD overlapping the adjacent installed mesh by 2".
4. Fix the ROCKGUARD®HD with high performance fiberglass reinforcement tape.
5. The mesh can be secured with high performance fiberglass reinforcement tape.



## SPIRAL WRAPPING

**This process can be applied to larger diameter pipes:**

1. Place the ROCKGUARD®HD above the pipe.
2. Start wrapping the pipe moving along the length of the pipe, allowing the ROCKGUARD®HD to overlap by approximately 2".
3. Use the high performance fiberglass reinforcement tape to secure the ROCKGUARD®HD in situ as the mesh is wrapped.





# Installation Detail



## ROLLS:

1. All rolls should be of adequate size to cover the circumference of the pipe plus a 6" overlap.
2. ROCKGUARD® HD is to be placed around pipe in the shingle style, whereby placing the 6" overlap portion between the 7 and 5 o'clock position of the pipe.
3. Place all end-to-end overlaps minimum 2".
4. Unless otherwise specified, all rolls shall be secured using high performance fiberglass reinforcement tape.
5. After rolls are secured to pipe, the backfill process may take place.

## PADS:

1. Pads should be wrapped around the circumference of the pipe, covering all exposed areas. Ensure all pads are of sufficient dimension to protect the entire pipe plus a 6" overlap.
2. All pads overlaps shall be placed at the 6 o'clock position of the pipe.
3. Place all end-to-end overlaps minimum 2".
4. After pads are secured to pipe, the backfill process may begin.

# Filament Tape

## RG-15 Uni-Directional High Performance Fiberglass Reinforcement Tape

RG-15 is an economical fiberglass reinforced tape designed for most packaging. The 1.1 mil polypropylene film combined with an aggressive 'solventless' pressure-sensitive adhesive provides resistance to filament delimitation and separation, excellent adhesion to corrugated cartons, and outstanding holding power. Will hand break, no knives needed.



- 48 rolls of tape per case
- Recommended tape spacing is 6"
- Unless otherwise specified, tape to be spiral wrapped around the pipe in one continuous motion



## Tape Estimating Chart

### RockGuard Tape Estimator

Pipe Diameter	Approx. Rolls Per Mile	Approx. Cases Per Mile
4"	87	2
6"	119	3
8"	149	4
10"	181	4
12"	211	5
16"	261	6
18"	291	7
20"	322	7
24"	383	8
30"	475	10
34"	537	12
36"	567	12
42"	659	14
48"	909	19



## Ask about our PIPEWEIGHTS

At all times, our team is ready to provide professional technical support with exceptional lead time while meeting all specifications.

**THE ROCK STOPS HERE™**  
**rockguard.biz | 800 848 4500**



**PIPEWEIGHTS**.com  
geotextile buoyancy pipeline control



**RockGuard® HD**  
**PIPELINE PROTECTION MESH**

Customer should verify with the product manufacturer that customer has the most current ROCKGUARD® specifications for the product ordered or purchased. The ROCKGUARD® system can be used in the application described in our literature and on our website, provided proper installation and engineering principles are followed. Professional engineering should be consulted before installation of ROCKGUARD® units to assure appropriate design and use. ALL EXPRESSED OR IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. ROCKGUARD® is a trademark of Industrial Fabrics, Inc.