

Installation Guidelines & Methods

Protectamesh™HD Rockshield is quick and easy to install in 3 different ways :

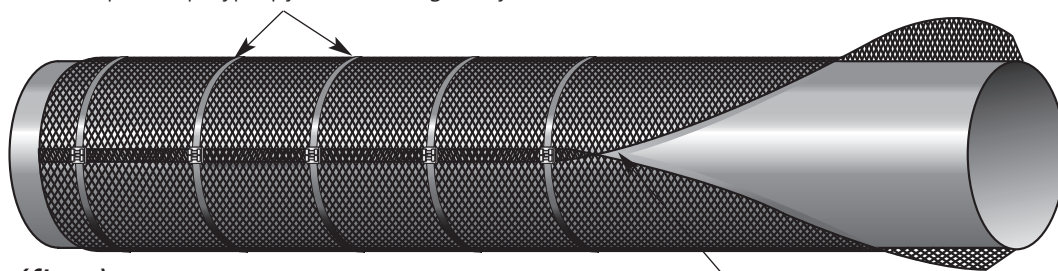
Work out the pipe circumference = Pipe Diameter x π

Longitudinal wrapping (fig.a)

For pipes with a circumference of less than 150mm (6") in relation to the width of the Protectamesh™HD Rockshield:

1. Unroll the mesh parallel to the pipe which is to be protected.
2. Place the mesh below the pipe.
3. Wrap the mesh around the pipe overlapping the edges by approx 150mm (6").
4. The mesh can be secured by plastic straps or can be heat bonded by use of a gas torch and pressing the two surfaces together.

Wrap with polypropylene banding every 800mm/ 2.6'



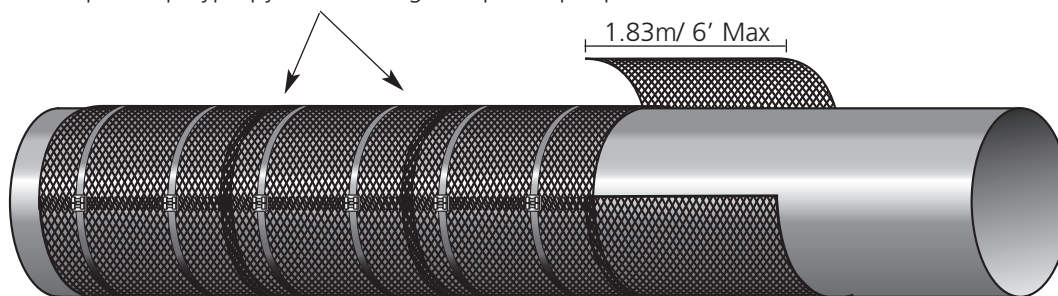
(fig.a)

Overlapping Protectamesh™HD Rockshield by 150mm/ 6"

Latitudinal wrapping (fig.b) For pipes with a larger circumference than the roll width:

1. Cut the mesh into pieces 100-150mm (4-6inches) extra than the circumference of the pipe.
2. Wrap the pipe with the mesh overlapping the adjacent installed mesh by 150mm (6").
3. Fix the mesh with plastic straps or heat bond the longitudinal join using a gas torch and pressing the two surfaces together.

Wrap with polypropylene banding two places per pad



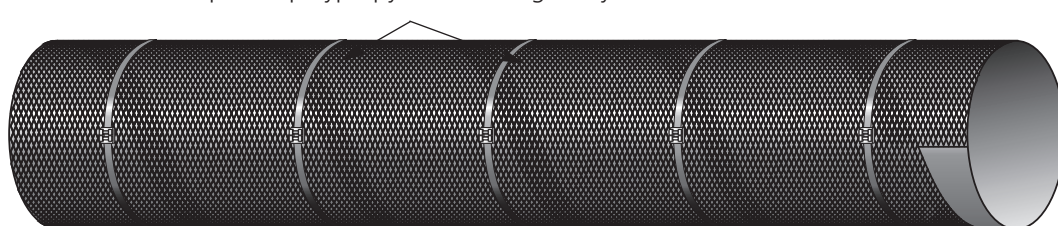
(fig.b)

Overlapping Protectamesh™HD Rockshield by 150mm/ 6"

Spiral wrapping (fig.c) This process can be applied to larger circumference pipes:

1. Start wrapping the pipe moving along the length of the pipe, so that the mesh overlaps slightly.
2. Use plastic strapping to secure the mesh in situ as the mesh is wrapped.

Wrap with polypropylene banding every 800mm/ 2.6'

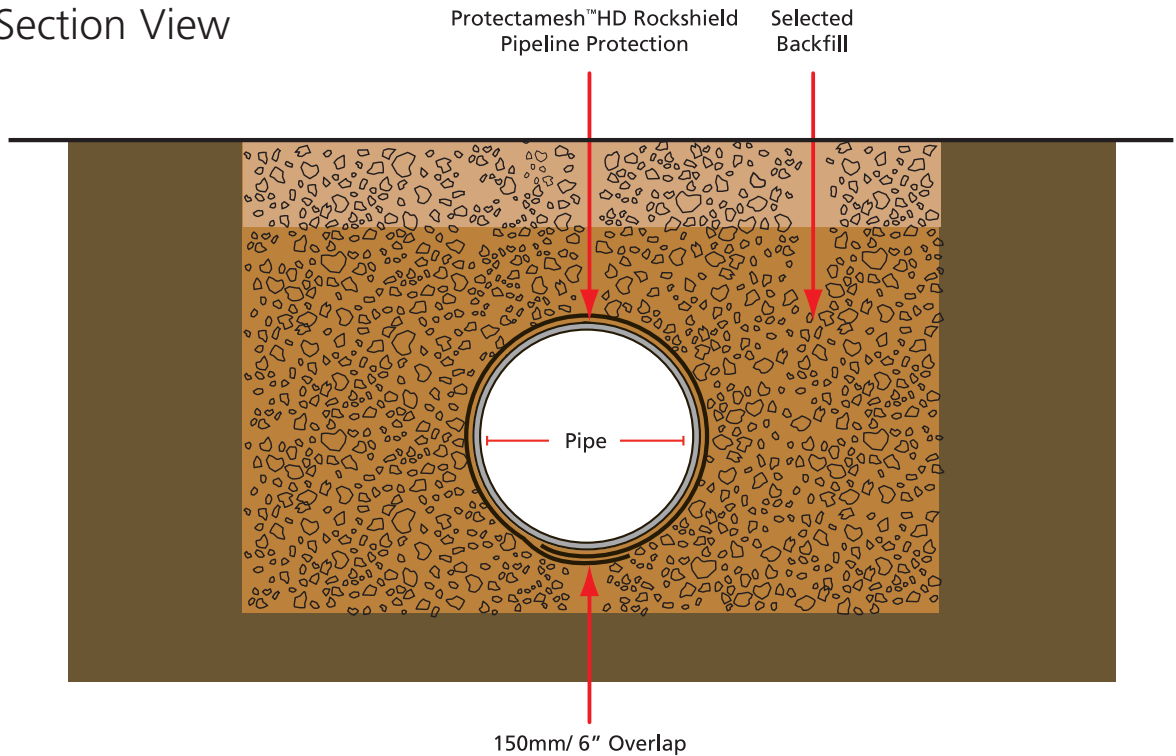


(fig.c)

Overlapping Protectamesh™HD Rockshield by 150mm/ 6"

Protectamash™HD Rockshield Application Diagram

Section View



PADS

Custom cut pads should be wrapped around the circumference of the pipe, covering all exposed areas. Ensure that all pads are of sufficient dimension to protect the entire pipe.

All pad overlaps shall be placed at the 6 o'clock position of the pipe, taking care to secure the PROTECTAMESH™HD ROCKSHIELD with a polypropylene banding.

Place all end to end overlaps min. 50mm/ 2"; all parallel pad overlaps min.150mm/ 6".

All pads shall be secured to the pipe by using a min. 18mm/ 0.7" wide polypropylene banding.

After pads are secured to the pipe, the backfill process may take place.

ROLLS

All rolls should be of adequate coverage to entirely cover the circumference of the pipe.

PROTECTAMESH™HD ROCKSHIELD is to be placed around pipe, whereby placing overlap portion at the 6 o'clock position of the pipe.

Place all end to end overlaps min. 50mm/ 2"; all parallel pad overlaps min 150mm/ 6".

In the event that a side overlap is used place the overlaps "shingle style". This will ensure that no backfill will protrude under the PROTECTAMESH™HD ROCKSHIELD.

After pads are secured to the pipe, the backfill process may take place.

Sizing your pipe - for Protectamesh™HD Rockshield

PIPE DIAMETER	PIPE CIRCUMFERENCE	PAD SIZE
50mm / 2"	157mm / 6.3"	300mm / 12"
100mm / 4"	315mm / 12.3"	450mm / 18"
150mm / 6"	472mm / 25.1"	600mm / 24"
200mm / 8"	629mm / 25.1"	750mm / 32"
250mm / 12"	786mm / 31.5"	900mm / 36"
305mm / 12"	960mm / 37.75"	1100mm / 44"
355mm / 14"	1100mm / 43.9"	1250mm / 45"
405mm / 16"	1270mm / 50.2"	1400mm / 54"
455mm / 18"	1430mm / 56.5"	1550mm / 60"
510mm / 20"	1605mm / 62.8"	1750mm / 67"
560mm / 22"	1760mm / 69"	1900mm / 72"
610mm / 24"	1915mm / 75.3"	2050mm / 80"
660mm / 26"	2075mm / 81.6"	2200mm / 98"
710mm / 28"	2230mm / 87.9"	2350mm / 92"
760mm / 30"	2390mm / 94"	2500mm / 98"
815mm / 32"	2560mm / 100.5"	2700mm / 104"
865mm / 34"	2720mm / 106.75"	2850mm / 111"
915mm / 36"	2875mm / 113"	3000mm / 117"
1065mm / 42"	3350mm / 131.8"	3500mm / 136"
1220mm / 48"	3835mm / 150.7"	3950mm / 155"

