

TECHNICAL DATA SHEET

1 **PRODUCT NAME**
PROTECTAMESH™ ROCKSHIELD HD

2 **MANUFACTURER**
Boddingtons Limited +44 (0) 1621 874200
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Maldon, Essex CM9 4GG England www.boddingtons-ltd.com

3. **PHYSICAL DESCRIPTION**

PHYSICAL CHARACTERISTICS:	
STRUCTURE	Diamond Mesh
POLYMER	Polyethylene
COLOUR	Black or Yellow
BLOWING AGENT	Yes
WIDTH	5ft or 6ft / 1.53m or 1.83m
LENGTH	As required
THICKNESS	0.40" / 10mm
WEIGHT	0.32 lb/ft ² / 1550g/m ²
APERTURE SIZE	0.16" x 0.16" nominal / 4mm x 4mm

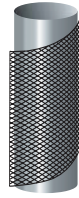
TECHNICAL CHARACTERISTICS:		
MEASUREMENT	RESULTS	TEST METHOD
ELONGATION AT MAX STRENGTH (MD)	139%	ASTM D4595
ELONGATION AT MAX STRENGTH (TD)	110%	ASTM D4595
TEAR STRENGTH (MD)	15.0lbs / 6.8kg	ASTM D624
TEAR STRENGTH (TD)	16.2lbs / 7.35kg	ASTM D624
TENSILE STRENGTH	44.6lbs / inch of width / 796kg/m	ASTM D4595
IMPACT STRENGTH	141.9 inch / lbs. / 7.94m/kg	ASTM G14 spherical point
IMPACT RESISTANCE	No Failure at 6" rock / 150mm	ASTM G13 MOD
COMPRESSIVE STRENGTH	90 psi for 50% compression / 620kPa	ASTM D1621
MELT TEMPERATURE	226.4° F / 108° C	ASTM E794
FREEZE DATA	No failure at -30° F / -34° C / 180° Bend	CUSTOM
CATHODIC PROTECTION	No inhibiting effect	CUSTOM

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.



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4 **PRODUCT DESCRIPTION**

PROTECTAMESH™ ROCKSHIELD HD is a three dimensional bi-planar extruded Diamond Structured Mesh.

It offers a consistent thickness throughout the width of each roll or pad to provide full width protection to your pipeline during backfill operations.

PROTECTAMESH™ ROCKSHIELD HD also offers protection from abrasive objects after installation, restricting geologic movements from damaging your pipeline.

5 **INSTALLATION**

PROTECTAMESH™ ROCKSHIELD HD may be installed in pad or roll form, depending on pipe diameter.

Pads are to be wrapped around the pipe in a latitudinal fashion (Please see Installation Diagram Section 7). All end to end overlaps shall be placed with an overlap of 50mm, and all pad overlaps shall be placed on the bottom side of the pipe with a 100mm to 150mm overlap.

Rolls can be applied longitudinally wrapped on all pipe 500mm or less in diameter. (Please see Installation Diagram Section 7). Simply place the roll on top of the pipe and unroll the product parallel to the pipe. Wrap the edges around the pipe with a 100mm to 150mm overlap. All PROTECTAMESH™ ROCKSHIELD HD must be strapped to the pipe with a 18mm polypropylene banding.

For smaller diameter pipe the “lattitudinal wrap” method may be used. This method requires minimal overlap, and must be strapped to the pipe with 18mm polypropylene banding.

6 **SIZE AVAILABILITY**

PROTECTAMESH™ ROCKSHIELD HD is available in 10mm thickness and in rolls up to 1.83m wide.

PROTECTAMESH™ ROCKSHIELD HD can be produced in roll lengths up to 100m. Pads can be produced in widths up to 1.83m to your custom specifications.

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