

ROCKSHIELD

PRODUCT DATA SHEET

Flexible Mechanical Protection Padding For Rocky Backfill

DESCRIPTION

Rockshield is a flexible mechanical protection padding consisting of a tough High Density Polyethylene or Polypropylene mesh, designed especially for the protection of anticorrosion coatings of pipelines laid in rocky terrain and backfill conditions. Rockshield provides the protection needed for pipeline coatings without blocking cathodic protection current. Its unique diamond shape and design will not damage the primary coating system and provides protection to the pipeline coating from impact and indentation forces and abrasive movements below the ground.

It provides extra padding protection by incorporating a special expansion process to provide compressive strength and flexibility. Its unique flat surface will not damage soft coatings. It is designed to be applied over tape & extruded PE coating, as well as FBE, Coal Tar or Asphalt Enamel coated pipe. Rockshield is supplied as rolls which can be cut to size in the field or as pre-cut sheets to custom fit the pipe diameter. Each sheet is adhered to the pipe using Rockshield tape or plastic buckles / tie wraps



FEATURES & BENIFITS

- ▶ Protects pipe coating from protruding rocks in trench
- ▶ Maintains cathodic protection without inhibiting cathodic flow
- ▶ Reduces the need for select backfill and padding
- ▶ Reduces impact and penetration damage
- ▶ Light weight, fast and easy application
- ▶ Flexible over a wide range of temperatures
- ▶ Unique flat sided design does not damage primary coating system

PRODUCT PROPERTIES

PROPERTY	TYPICAL VALUE	METHOD
Material	Polyethylene (HDPE)	
Thickness	4mm to 11mm	ASTM D - 1777
Aperture Size	4mm to 6mm	ASTM E11
Compressive Strength	250 PSI	ASTM D - 1621
Impact Strength	100 inch/lb	ASTMD G- 14
Impact Strength*	35 J	ISO21809-1
Weight *	1600 g/m ²	ASTM D646

* For Thickness 10mm & above

ORDERING INFORMATION

Standard Roll dimension

- ▶ **Width:** 1 Meter to 2 Meter
- ▶ **Length:** 10 Meter to 30 Meter
- ▶ **Mesh Size:** As per customer requirement ± 1
- ▶ Pipe Diameter & Length for which Rockshield required

NOTE

The typical values in this data sheet are based on lab prepared samples. For project specific requirements please consult with SNI INDIA. Above dimensions are standard and custom specific dimensions are available as per customer special requirements

Please read all information in the general guidelines, product data sheets, guide specifications, and material safety data sheets (MSDS) before applying the material. Published technical data and instructions are subject to change without notice. Contact your local SNI India LLP representative or visit our website for current technical data and instructions.

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