

Denso Rockshield HD

A tough and flexible protective mesh

Composition

Denso Rockshield HD is comprised of a polyethylene diamond mesh with carbon black and blowing agent.

Uses

Denso Rockshield HD is a flexible armouring which provides additional mechanical protection for coatings on metal pipelines where they are laid in rocky ground or where the desired backfill is not available. Its diagonal mesh construction provides flexibility for easy application whilst ensuring maximum protection of the pipe coating against impact or indentation when backfilling.

Characteristics

Denso Rockshield HD:

- absorbs impact of uneven backfill,
- protects pipe coating from protruding rocks in the trench,
- minimizes abrasion of coating from pipe movement underground,
- protects pipe during future excavations,

- remains unaffected by temperature extremes and wet weather, and
- maintains cathodic protection without inhibiting cathodic flow.

Application

See *Instructions for Use* for additional details.

Availability

Denso Rockshield HD is available in 1.83 m x 92 m rolls. Other sizes may be available on request.

Storage conditions

Store in a cool and dry place in original packaging. Wrapped pipe/fittings should not be left exposed to direct sunlight for longer than fourteen (14) days.

Waste material

Please apply the waste hierarchy to avoid or minimise waste wherever possible. Please do not discard waste material, including packaging, in the surrounding environment. Follow all relevant legislation for disposal.

Typical Properties

Structure	Diamond	
Polymer Type	Polyethylene	
Thickness	11 mm	
Mesh Count	28 in 20 cm	
Aperture Size	4 x 4 mm	
Unit Weight	1675 g/m ²	
Tensile Strength (MD)	≥7.8 kN/m	ASTM D4595

Important: Winn & Coales (Denso) Ltd pursue a policy to develop and continually improve all of our products and therefore the information given in this data sheet is intended as a general guide and does not constitute a warranty of specification. However, our sales personnel are committed to assist the user in establishing the suitability of the product for its intended purpose and additional specific information is available on request. Winn & Coales (Denso) Ltd operate a Quality Management System registered to BS EN ISO 9001 (BSI Certificate no. FM01548) and an Environmental Management System registered to BS EN 14001 (BSI Certificate 583748).

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Elongation @ max strength (MD)	≥139 %	ASTM D4595
Elongation @ max strength (TD)	≥110 %	ASTM D4595
Tear Strength (MD)	≥66 N	ASTM D624
Tear Strength (TD)	≥72 N	ASTM D624
Impact Strength	≥78 N	ASTM G14 (spherical)
Impact Resistance	No failure at 6" rock	ASTM G13 (MOD)
Compressive Strength	≥90 psi at 50% reduction	ASTM D1621 (MOD)

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