

# Technical Data Sheet

## Denso Rockmesh

Description:	A heavy-duty plastic mesh which provides extra mechanical resistance in harsh backfill environments.
Composition:	A tough heavy-duty polyethylene mesh. Available in black as standard and yellow by special arrangement.
Characteristics:	<ul style="list-style-type: none"><li>• simple to apply</li><li>• long lasting, accommodates vibration or extreme movement</li><li>• high strength, highly resistant to chemical attack</li><li>• provides abrasion and impact protection</li><li>• does not inhibit cathodic protection</li><li>• mesh style: 8 x 5 mm diamond aperture</li></ul>
Uses:	Extra heavy duty outer mechanical protection for Denso coating systems. Mainly used to protect pipe coatings in harsh backfill environments.
Surface Preparation and Application:	<p>Remove any loose and abrasive materials from the coating surface to be protected.</p> <p>Check that the coating is in good condition. If not rectification work to the underlying coating may need to be carried out before the application of the mechanical protection.</p> <p>Cut a long enough length of Rockmesh to cover the circumference of the pipe allowing sufficient overlap (100 mm minimum) for the material to lay as flat as possible.</p> <p>Secure tightly in place with Denso Smartband strapping or if conditions allow Denso SA PVC Tape. Backfilling can occur immediately thereafter.</p>
Recommended Temperatures:	<p>Application: - 20 to 50 °C</p> <p>Service: - 5 to 80 °C</p> <p>Peak: + 80 °C</p>

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Dimensions:

DENSOROCK1.35	20m Roll – 1.35m wide
DENSOROCK2	20m Roll – 2m wide

Physical Properties:

Test	Test Methods	Units	Value
Total Thickness	ASTM D751	mm	9
Total Weight	ASTM D751	g/m <sup>2</sup>	1900
Breaking Strength	ASTM D4595	N/mm	20.4
MD			4.2
TD			
Elongation	ASTM D4595	%	32
MD			175
TD			
Tear Strength	ASTM D624	N	195
Compression @19% yield	ASTM D1621	kPa	980
Impact Strength spherical point	ASTM G14	N-m	10.5
Impact Resistance rock drop MD	ASTM G13	mm	25 - 100