



Approved Quality
Management System
AS/NZS ISO 9001:2008
Lloyds Register-Certificate
No. MEL 0927759

Technical Data Sheet

PILEMESH CE171

Description:	A tough polyethylene plastic mesh which provides mechanical resistance in harsh backfill and marine environments.			
Composition:	A tough LDPE polyethylene mesh. Available in black as standard.			
Characteristics:	<ul style="list-style-type: none"> • simple to apply • long lasting, accommodates vibration or extreme movement • high strength, highly resistant to chemical attack • provides abrasion and impact protection • does not inhibit cathodic protection • mesh style: 6 x 6 mm diamond shaped aperture 			
Uses:	Provides outer mechanical protection for Denso coating systems. Mainly used to protect pipe coatings in harsh backfill conditions and Seashield tape systems in marine environments.			
Surface Preparation & 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 mesh to cover the circumference of the pipe or pile 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:	Application: - 20 to + 50 °C Service: - 10 to + 100 °C Peak: + 100 °C			
Available Sizes /Product Code:	1.30m x 20m roll (32.8 kg) Other sizes ranging from 1.00 to 2.00 wide available by special arrangement. Product code: M921000			
Physical Properties:	Test	Method	Units	Value
	Total Weight	ASTM D751	g/m ²	1230
	Yield Strength	ASTM D1000	MPa	29
	Shore D Hardness	ASTM D2240	D type	66