



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

Technical Data Sheet
SEASHIELD
SERIES 2000FD JACKETS

Description:	Outer cover jacket protection for Denso Seashield Series 2000FD Systems.
Composition:	An ultra violet radiation resistant high density polythene jacket supplied with welded supporting bars perforated for securing with stainless steel positioning bolts.
Characteristics:	<ul style="list-style-type: none">• specially designed high impact strength, abrasion resistant polythene sheet• surpasses the strength of fibre reinforced plastics, polyvinyl chloride plastics and liquid coatings• individually custom made to suit each pile• stable over a wide temperature range• non hardening or cracking• contains no volatile components• accommodates vibration and movement of substrate• high chemical resistance to mineral acids, alkalis and salts• long service life of up to 30 years expected
Uses:	Designed and custom made specifically for the protection of Denso Seashield Series 2000FD Systems used on wharf, pier and jetty pilings. The mechanical protection of petrolatum systems in harsh, aggressive splash and tidal zone marine environments.
Surface Preparation & Application:	Refer to Denso Application Instructions for Seashield Series 2000FD systems. Install jackets with the bars facing outwards. Slide the sealing split under the opposite side of the jacket. Install and tighten the stainless steel bolt sets using hydraulic clamping equipment to secure jacket in place. Once installed no tape should be visibly protruding from under the jacket surface.
Recommended Temperatures:	Application: + 5 to + 50 °C Service: - 30 to + 80 °C Peak: + 90 °C
Storage:	Store in a cool, dry area away from direct heat and sunlight.
Available Sizes:	Dimensions: pile and system circumference - 3% x height Standard heights: 0.62, 1.26 or 1.90 M high.



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Physical Properties:	Test	Method	Units	Value
	Total Thickness	ASTM D1000	mm	2.0 ± 0.1
	Total Weight	ASTM D751	kg/m ²	1.88 ± 0.09
	Density	ASTM D1505	kg/L	0.94
	Breaking Strength	ASTM D1000	N/mm	≥ 55
	Elongation at Break	ASTM D1000	%	700
	Yield Strength	ASTM D1000	N/mm	≥ 32
	Elongation at Yield	ASTM D1000	%	13
	Puncture Resistance	ASTM D1000	N	470
	Tear Resistance - Die C	ASTM D1004	N	245
	Dimensional Stability @ 85°C	ASTM D1204	%	± 2
	Low Temperature Brittleness	ASTM D746, B	°C	- 44
	Environmental Stress Crack	ASTM D163 (10%,50°C)	Hours	≥ 1500
	Coefficient of Linear Thermal Expansion	ASTM D696	cm/cm °C	1.2 x 10 ⁻⁴
	Oxidative Induction Time	ASTM D3895	minutes	≥ 2000
Ratchet Torque of Sealing Bars		kPa	18	