



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

Technical Data Sheet
SEASHIELD
MARINE PILING TAPE

Description:	A self priming tape coated with petrolatum based compounds developed for the protection of surfaces on marine structures.
Composition:	Non-woven synthetic fabric carrier fully impregnated and coated with neutral petrolatum based compounds. Includes inert siliceous mineral fillers, water displacing and biocidal agents. Has a high density polythene film backing.
Characteristics:	<ul style="list-style-type: none"> • designed to be self priming on clean, sound and new surfaces • stable in composition and plasticity over a wide temperature range • non hardening and non cracking • accommodates vibration and movement of substrate • highly resistant to mineral acids, alkalis and salts • will adhere and remain attached to clean, sound, wet or dry metal surfaces above or below water • applied spirally, with sufficient tension, will displace moisture and develop a water resistant bond to the primed surface • formulated to provide protection against Sulphate Reducing Bacteria (independent test report available) • can be applied under water
Uses:	<p>For corrosion protection, sealing and water proofing mainly of new surfaces above and below water levels.</p> <p>Protection of wharf piles, riser piles, pipelines, joints and fittings.</p> <p>An integral part of the Denso Seashield Systems.</p>
Surface Preparation & Application:	<p>Thoroughly remove all loose matter from surface.</p> <p>For strongly adhered barnacled and scaled surfaces aggressive removal may be required.</p> <p>A final cleaning with a wire brush recommended.</p> <p>Small imperfections can be filled in with Seashield Primer.</p> <p>Large voids should be primed then filled with Seashield Mastic or foamed void fillers. The resulting surface should be contoured to a circular or convex shape to ease tape wrapping.</p> <p>Apply tape without overstretching with the heavily coated side of the tape to the substrate surface and the polythene side facing outwards. Smooth down and mould by hand especially all overlapped edges. A 55 % overlap of tape should be applied to provide a double layer.</p> <p>For more details refer to Denso Seashield Systems application instructions.</p>
Recommended Temperatures:	<p>Application: - 5 to + 35 °C</p> <p>Service: - 20 to + 40 °C</p> <p>Peak: + 45 °C</p>
Storage:	In cool, dry, ambient conditions, in original cartons away from heat and direct sunlight.
Available Dimensions/ Product Code:	<p>Widths: 100, 150, 200 and 300 mm.</p> <p>Length: 10 metre roll, minimum.</p> <p>Other sizes available by special arrangement.</p> <p>Product code: S970_ __(width of tape). Eg. S970<u>150</u> for 150mm x 10m.</p>



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Physical Properties:	Test	Test Method	Units	Value
	Thickness	ASTM D751	mm	1.50 ± 0.30
	Weight	ASTM D751	kg/m ²	1.62 ± 0.20
	Density	ASTM D1475	kg/L	1.03
	Breaking Strength	ASTM D1000	N/mm	6.0 ± 1.0
	Elongation at Break	ASTM D1000	%	15 ± 4
	Breakdown Voltage - double layer	ASTM D149	kV	≥ 16
	Water Vapour Transmission Rate - single layer	ASTM E96	g/m ² .24hr	0.25 ± 0.16
	Resistance to Cathodic Disbondment -double layer	ASTM G8, A (30 days)	mm ²	< 500 (Group B)

Limitations:	Where pitting depth exceeds 2mm Seashield Primer P and Seal T Tape should be used in its place.
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