

SeaShield 2000HD – Design Life Span Statement

Premier Coatings Ltd– Company Overview

Premier Coatings Ltd is a wholly owned subsidiary of Winn & Coales International which has been serving industry for over 132 years since 1883. The company prides itself on it's ability to provide cost effective solutions to corrosion and sealing problems and has done so for more than 100 years. We feel confident that our products could be used in this particular project to achieve along service life. Our technical proposal is described below. Please feel free to contact Premier Coatings Ltd for any further clarification if required.

Introduction to SeaShield 2000FD Systems.

1. External Protection.

Premier Coatings SeaShield SplashZone UW is a solvent-free patching compound used for repairing pits, cracks and voids in steel, concrete, wood and other surfaces. SeaShield SplashZone Epoxy UW has the-unique ability to be mixed, applied and cured underwater. Premier S105 Paste. A soft petrolatum paste containing water displacing, corrosion inhibiting and flow control additives. It does not contain volatile organic components. It is applied to badly corroded and pitted steel above and below water. It displaces water and fills pits and depressions.

Premier Marine Piling Tape is a tape made from a non-woven synthetic fabric impregnated with a petrolatum compound containing inert fillers and water displacing agents. The tape has a HDPE backing film. It is also specially formulated for application underwater, or to wet surfaces. When applied spirally under tension it will displace water and develop a water resistant bond to metal surfaces. It provides the primary corrosion protection in the 2000HD system.

SeaShield Jacket is a tough 2mm(80mil) HDPE, ultraviolet resistant jacket that provides protection to the tape against abrasion, wave action and accidental impact. The jackets are secured with M10, 316 Stainless Steel (A4 Marine Grade) fixings. The 2000HD provides a cost effective and easily applied method for the control of corrosion in the splash and inter-tidal zones of piling.

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System Proposal

Premier Coatings Ltd. would propose a system comprising a 2000HD one piece jacket over Premier Marine Piling Tape (PMPT) wrapped at 55% overlap. S105 Paste would be utilized for any weld seams or irregular profiles present on the structure. Splashzone UW would be used to fill any large voids present in the steel or where concrete is exposed on concrete filled steel piles.

20+ Years Design Life

Premier Coatings Ltd. SeaShield Series 2000HD jackets that provide the outer armouring and UV barrier have a design life of 20 plus years. The inner layer of PMPT providing the corrosion protection can also be removed to inspect and ensure totally effective protection has been achieved. Re-application of new tape and jackets is simplified as there is no costly surface preparation required. The life cycle costing of this type of system compared to that of replaing coatings is also much cheaper.

Yours Sincerely,



Lucian Williams
President

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2000HD Installations



BP Cherry Point Ferndale, WA



Denso Marine Piling Tape being applied underwater.



Shell Refinery - Deer Park, TX



Port of Corpus Christi - Series 2000HD being applied



US Navy Ford Island Bridge - Pearl Harbor, HI



Port of Seattle - Series 2000HD