



Commercial applications

Cuprotect® approved with the HSE (HSE 8062, ISO/DIS 15181-1 and 2) is a high efficiency long term environmental antifouling system, which uses the natural properties of solid Copper Nickel 90:10 granules (not soluble copper) to prevent marine fouling, combined with anti corrosion and osmosis protection systems for a life span in excess of 20 years without the need to reapply, and backed by a 10 year commercial insurance backed guarantee. The initial cost of Cuprotect is recuperated after only 2 to 3 years for conventional commercial craft.

Unlike other systems the unique patented method of applying a seamless layer of Copper Nickel granules directly on to complex surfaces such as boat hulls means that no maintenance is required apart from a light pressure wash when the boat is lifted ashore to remove any slime which may dry on the surface and create a barrier. Cuprotect is easily and simply repaired.

Independent tests carried out by the Wolfson Institute at Southampton University showed that there was no measurable increased drag from Cuprotect compared to well applied conventional antifouling which over time Cuprotect improved as the surface develops its smooth patina, benefiting in massive savings of rising fuel costs, maintaining speeds and maneuverability and unnecessary time ashore when the vessel should be working, as well as eliminating harmful and hazardous exposure of biocides and solvents to the environment and personnel.

Cuprotect contains no added biocides or voc. The single pack resins used in the application developed by Wasser for Ecosea are air and water proof moisture cured urethanes which are harder wearing and more durable than other epoxy coatings available with 40% stretch minimal VOC and 80% solids. The specially developed resins and binders are less temperamental than epoxies and can be applied at temperatures as low as -12°C with humidity as high as 98%. The risks of poor measurements and mixing as well as having to control the climate are virtually eliminated.

The benefits of Cuprotect is now being used throughout the marine industry from aquaculture, leisure and commercial craft, shipping, offshore oil and gas to bespoke sub sea installations such as tide and wave energy as well as power station cooling intakes and oceanographic buoys.

At Ecosea Scotland we can carry out a complete safe removal and registered disposal of existing antifouling coatings followed by application of Gel-Guard or anti corrosive scheme and Cuprotect® for complete hull protection.



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