

Cuprotect

Cuprotect® is a unique long-life antifouling system, which uses the natural properties of solid copper-nickel 90:10 granules in deterring marine fouling growth.

Unlike other antifouling coatings which often use soluble cuprous oxide suspended within a paint matrix, Cuprotect involves a patented method of applying a seamless layer of (non-conductive) metallic copper-nickel granules onto complex surfaces by means of a supporting scheme of high-performance anti-corrosive/anti-osmosis resins. Applying the copper in this way ensures 100% coverage of the surface with the active antifouling ingredient – copper – and a single application will remain effective for in excess of 15 years. The longevity of Cuprotect is supported by the availability of a 10-year insurance backed warranty (terms and conditions apply).

Cuprotect does not use additional booster biocides and the low leach rate of solid copper-nickel means Cuprotect is one of the most environmentally friendly products available in the world today. Cuprotect is approved for use by the HSE (HSE 8062, ISO/DIS 15181-1 and 2).

Once applied, Cuprotect requires little (if any) maintenance, meaning vessels spend more time in the water and less time ashore. Although the coating is extremely durable, any damage can be easily repaired if necessary.

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. Over time, Cuprotect develops a smooth surface patina which remains constant, resulting in massive savings on (rising) fuel costs, whilst ensuring speeds and maneuverability are consistently maintained

The single pack resins used in the system are high-performance Moisture Cured Urethanes which are harder wearing and more durable than epoxy coatings. The specially developed resins and binders have a high solids content, 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 during application are virtually eliminated when using these resins.

The benefits of Cuprotect are recognised 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 Ecossea 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.



Ecossea Scotland. The Chandlery. Rhu Marina. Rhu. Argyll & Bute G84 8LH
office@jfmachine.co.uk Tel 01436 820 584