International®

Intersleek®1000

Biocide-free fouling control coating

LANION

AkzoNobel

LANION *technology*

Intersleek® 1000 is the first fouling control coating to incorporate patented bio-renewable sterols. It is comprised of a number of structurally similar long chain waxy sterols, which are responsible for the foul release properties of Intersleek® 1000. This technology is also used in a number of other industries from the personal care and medical sectors where it is used to improve skin condition and healing rate to the industrial sector where it is used as a lubricant or to protect ferrous surfaces.

0% Biocides

- No leaching of biocides into the sea
- Enhanced health and safety for applicators

Intersleek® 1000 is our latest fouling control coating with Lanion technology, incorporating bio-renewable raw material. It is exceptionally smooth with very low levels of average hull roughness. This, combined with excellent resistance to fouling, means that all vessels can benefit from this latest fouling control technology.

Sustainable fouling control with patented Lanion technology coating

Use of bio-renewable raw material from sheep's wool in our patented technology allows us to give the sustainable fouling control at the prices of SPC technology.

Independently validated fuel and emission savings

Intersleek® 1000 has generated 1,500 carbon credits over a two-year period representing an **independently verified fuel saving of 6%** by RINA services and The Gold Standard.

Enhanced vessel performance through smooth hull

Intersleek® 1000 provides a smooth film leading to improved efficiencies, which is comparable to ultra-performing self-polishing copolymer antifoulings.

Less paint and lower VOC emissions

Intersleek® has higher volume solids and lower required film thickness than SPC systems.This results in a 30-40% reduction in paint volume and 60% reduction in VOC emissions for first time application. At interim dockings, paint volume required is reduced by over 80%.

6% less fuel

Up to 6% reduction in fuel consumption, increasing operational efficiency and reducing operating costs.

Less waste disposal

Reduced treatment and disposal costs of wash water, blasting abrasive and paint containers.

Intersleek® on a PCC vessel in-dock condition after 54 months

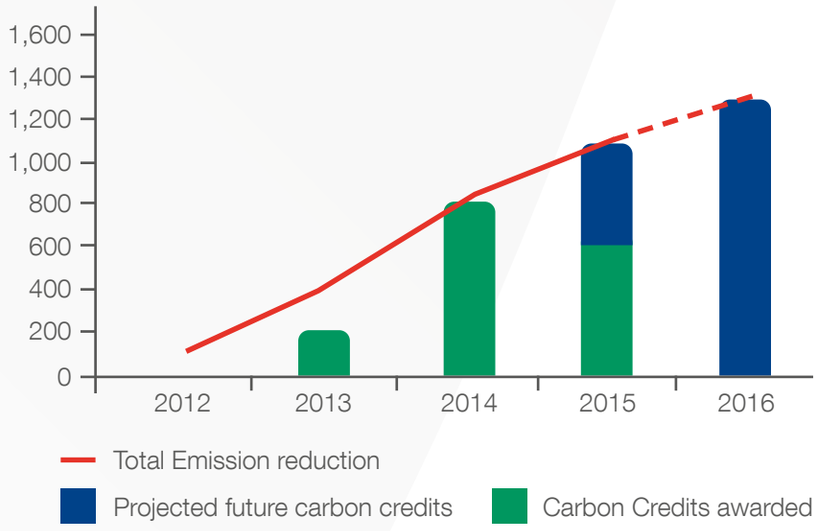
More Value, less impact

Verified environmental credentials

Detailed life cycle modelling following ISO standards and independently verified by the Swedish Environmental Research Institute demonstrates that Intersleek® 1000 improves the environmental impact of shipping through reduced paint consumption, waste and volatile organic compounds. With the use of bio-renewable materials, Intersleek® 1000 reduces the carbon footprint even further.

Intersleek® 1000 is eligible to generate independently validated and verified Gold Standard carbon credits providing evidence for your environmental reporting as well as creating new financial opportunities.

Emission savings for a PCC vessel



Gold Standard Intersleek Carbon Credits are generated from an award-winning pioneering methodology

Gold Standard

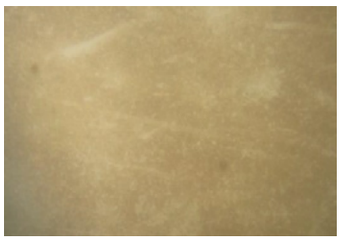
Gold Standard Carbon Credits

Intersleek® 1000 is eligible for the generation of Gold Standard carbon credits following the award-winning AkzoNobel methodology. For every tonne of avoided CO_2 emissions, the vessel operator can be awarded a single carbon credit after converting to Intersleek® 1000. From the first claim, Intersleek® 1000 applied to one vessel generated over 1,500 carbon credits representing an average fuel saving of 6% in the last two years of service.

Proven Success

Intersleek provides a comparable performance to Biocidal SPC.

Container after 37 months in-service compared to 37-month old biocidal SPC antifouling



Intersleek® 37 months

Biocidal SPC 37 months

LNG after 61 months in-service compared to 24-month old biocidal silyl methacrylate SPC antifouling applied during an intermediate drydocking

Biocidal SPC 24 months

Intersleek® 61 months

LNG after 62 months in-service compared to 27-month-old biocidal silyl methacrylate SPC antifouling applied during an intermediate drydocking (Note that the biocidal antifouling was high pressure freshwater washed)

Biocidal SPC 27 months

Intersleek® 62 months

Intersleek® 62 months

International is the brand of AkzoNobel's Marine and Protective Coatings business. AkzoNobel is a leading global paints and coatings company and a major producer of specialty chemicals.

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