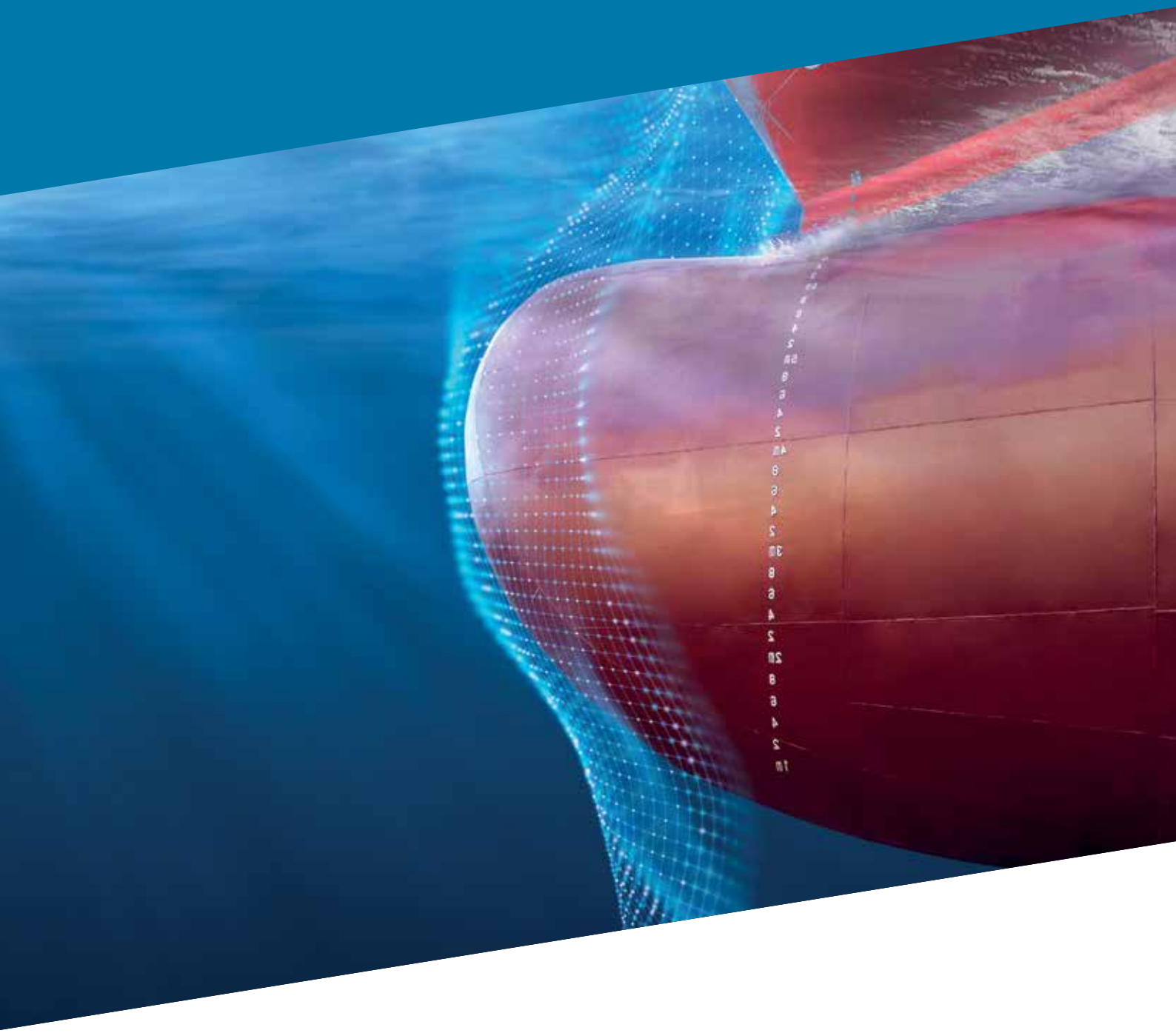
PPG NEXEON™ 810

Ultra-low friction, premium performance copper-free antifouling

Designed to support your emission reduction targets.



PPG NEXEON™ 810

Premium performance antifouling based on innovative copper-free technology

Ultra-low friction, premium performance copper-free antifouling

PPG NEXEON 810 is an innovative copper-free antifouling solution with a strong emphasis on performance, sustainability and aesthetics. Building on over 25 years of successful copper-free coating development experience, PPG NEXEON 810 will help to achieve a reduction of up to 25% in greenhouse gas emissions* and supports 60 days of idle time with minimal speed loss**. Its unique formula integrates photodegradable biocides while also providing outstanding color retention throughout the entire service life of the vessel.

Offering significant emission savings, NEXEON 810 helps you take an essential step towards achieving your sustainability targets.

** Compared to traditional antifoulings*

***Actual results dependent on ship type, vessel specific utilization and operation.*

PPG NEXEON 810 - Unique pure hydrolyzing and copper-free technology

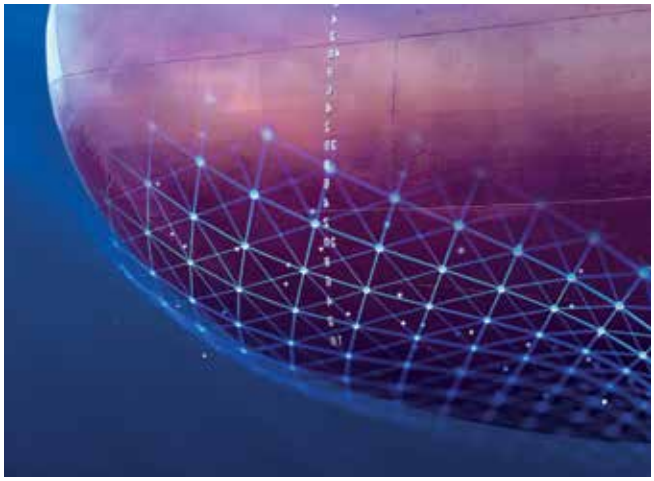
PPG's relentless focus on innovation and environmental responsibility guided our engineers to create a unique copper-free technology characterized by a significantly reduced biocide content that promotes effective performance.

The 100% pure hydrolyzing binder technology ensures that PPG NEXEON 810 antifouling offers controlled and predictable solubility within a homogeneous matrix. It effectively eliminates bulk erosion and provides a strong performance throughout the vessel's operational period.

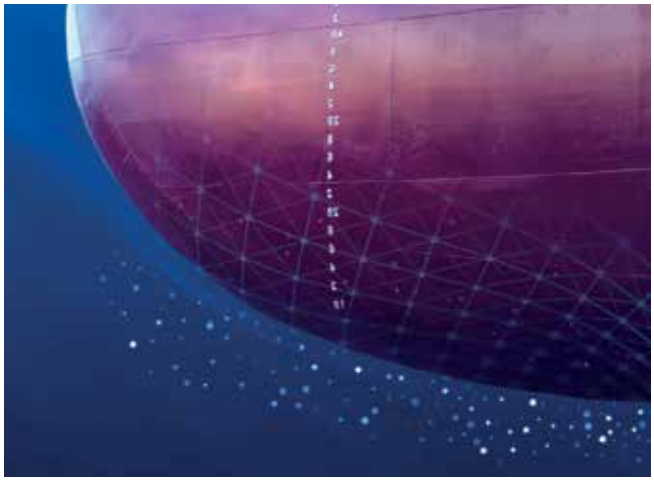
Functional photodegradation of organic biocides

PPG NEXEON 810 is the latest development of the highly successful NEXEON copper-free range of antifoulings. Purposefully designed to exhibit functional photodegradability, PPG NEXEON 810 enables the gradual release and operation of organic biocides in close proximity to the surface.

Upon entering the water, the combined effects of sunlight and ocean bacteria kickstart the breakdown of these organic biocides.



The biocides gradually leach out and enter the water, working close to the surface.



Once in the water, the influence of the sun and bacteria in the ocean start to degrade the biocides.

PPG NEXEON™ 810

Ultra-smooth surface contributes to GHG emission savings of up to 25%

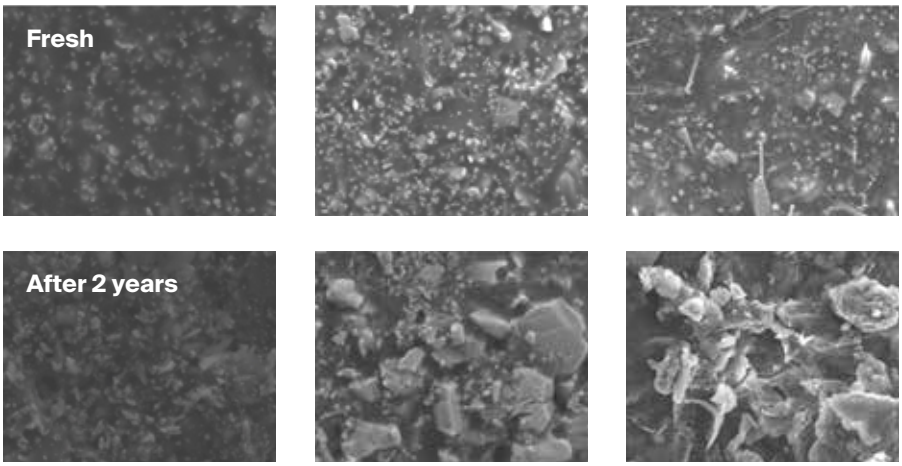
Proven performance from the ultimate in fouling resistance

PPG NEXEON 810 copper-free technology delivers the ultimate innovation in biocidal fouling resistance. In rigorous two-year static raft tests, it demonstrated remarkable superiority over premium copper-containing antifoulings by effectively preventing fouling. Owners and operators can also enjoy the added advantage of up to 60 days of idle time resistance with minimum speed loss.

Sustainable instant smoothness

Experience instant smoothness from the outset with PPG NEXEON 810. The choice of organic copper-free biocides results in an exceptionally smooth surface that not only improves fouling resistance performance but also significantly contributes to a reduction in carbon emissions through reduced fuel consumption.

Benefit from a reduction in greenhouse gas emissions of up to 25% as PPG NEXEON 810 enhances hull efficiency, reduces frictional resistance, and minimizes speed loss.



Delivering significant GHG emissions savings

Based on independent tests,* the copper-free, ultra-smooth surface of PPG NEXEON 810 can yield an immediate boost in power of up to 10% and an added enhancement of up to 15% in operational efficiency due to improved fouling control performance. This results in reduced fuel consumption and consequently, significant GHG emissions savings.

** Following ISO 19030 and International Towing Tank Conference standards*

CII compliant at higher speeds

PPG NEXEON 810 enables a vessel to sustain higher speeds while still remaining CII compliant. Typically, an improved speed flexibility of around 0,5 knots can be achieved while remaining CII compliant, assuming the same distance sailed annually.

Excellent color retention during entire service life

PPG NEXEON 810 coating delivers unparalleled aesthetics throughout the entire service life of the vessel. Unlike conventional antifoulings which may contain ingredients that lead to discoloration, PPG NEXEON 810 maintains an outstanding appearance, delivering a premium look that endures throughout the vessel's entire service life.

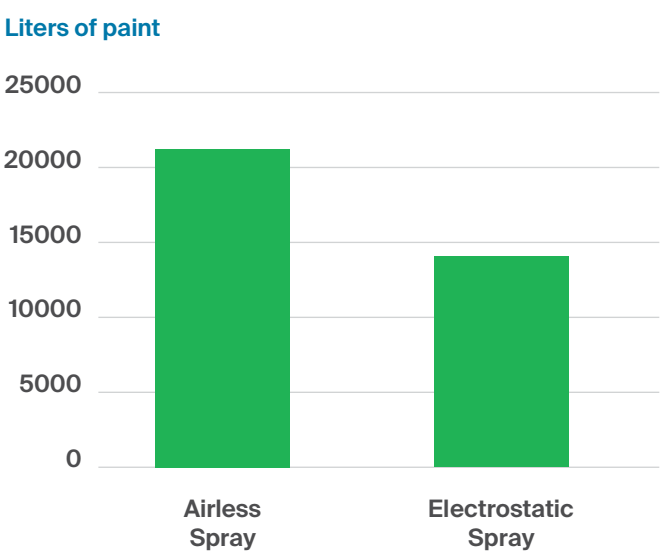
Ideal for electrostatic spraying

PPG NEXEON 810: patented for electrostatic application

The unique chemical composition of NEXEON 810 allows it to be sprayed electrostatically; a significant benefit that is unavailable to conventional copper-containing antifoulings. Paint particles are precisely guided towards the grounded surface of the vessel, leading to an exceptionally even particle distribution and the formation of a uniform and smooth film.

The outstanding transfer efficiency achieved through electrostatic spraying leads to a decrease in overspray and waste, resulting in a significant reduction in paint consumption and improved health and safety benefits when compared to airless spraying. This is a notable advantage for both operators and owners.

Reduced paint consumption



PPG NEXEON 810

Features	Benefits
Ultra-low-friction antifouling based on pure **hydrolyzing** and **copper-free** technology	Instant smoothness, up to 25% GHG emission savings, minimal speed loss and ultimate fouling resistance up to **60 days'** idle time resistance*
Unique biocide package: copper-free, reduced content and **photodegradability** of organic biocides	**Outstanding** fouling resistance and color retention during entire service life
Suitable for **electrostatic** application (Patent pending covering electrostatic application of copper-free, self-polishing antifouling)	High transfer efficiency, **minimal** waste, **less** paint consumption, improved health and safety benefits

**Actual results are dependent on ship type, vessel-specific utilization and operation, and are subject to the conditions as specified in a performance guarantee to be issued by PPG.*

Visit **ppgpmc.com** or contact:
Asia Pacific ✆ +86-21-6025-2688 ✉ ppgpmc.ap@ppg.com
Europe, Middle East and Africa ✆ +32-3-3606-311 ✉ customers@ppg.com
Latin America ✆ +57-1-8764242 ext. 201 ✉ ppgpmcandean-ca@ppg.com
North America (US & Canada) ✆ +1-888-9PPGPMC ✉ PMCMarketing@ppg.com

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