

News Release

Cutting Edge Nano Technology Now Available to Boat Owners

Feldten Marine is on its 125 year anniversary launching new line of products. Feldten Marine Gelcoat Sealer UV⁺ based on cutting edge chemical nano technology combines cleaning, polishing and protection of the boat's gelcoat surfaces.

The marine environment is the harshest; UV radiation, salt water, green algae and overall mechanical wear and tear all leave their mark. Cleaning and maintaining the boat's surfaces are consequently a time and resource demanding endeavour.

Feldten Marine Gelcoat Sealer UV⁺ combines cleaning, polishing and sealing in same working process. Unlike traditional treatments that require washing, polishing and application of wax in separate stages, everything is handled with one product in one working process, saving time and materials.

It is the unique technology and composition of the product that makes the difference. Smart polishing material will adapt to the substrate and it will efficiently cut/polish when applied on old and faded gelcoat surface, opposite- it will only seal when applied on surfaces in good condition.

The unique sealing properties of **Feldten Marine Gelcoat Sealer UV⁺** will follow the individual structure of the treated surface creating an in-depth, hydro-phobic (water-repelling) & olio-phobic (oil repelling) surface with extreme UV protection. A treatment with **Feldten Marine Gelcoat Sealer UV⁺** gives the surface an eye-catching shine, and for example makes it easier to remove soot particles by the exhaust pipe and dirt residue at the water line. For a short video please visit: <http://vimeo.com/22441270>

This is a result of the self assembling nano-process, which takes place after the product has been applied. The product's molecules bond with the surface and each other, creating thin and durable surface, which even the fine colour pigments of a marker pen cannot penetrate.

The product of the future

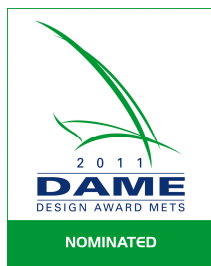
Feldten Marine supplies innovative products for boat owners and all sea lovers. The products are safe and easy to apply, and they all come with detailed instructions.

Product manager, Dr. Mathias Becker: "Our products are based on a very advanced technology. Nonetheless, all products are completely safe and easy to use. This is the very core of our product line."

Feldten Marine Gelcoat Sealer UV⁺ retails at EUR 19,95 (tax incl.) - for 250 ml. which is enough to treat a 30 foot boat. Feldten Marine recommends that you treat the boat twice a year, at the beginning and end of the season.

To learn more about **Feldten Marine Gelcoat Sealer UV⁺** and the other products in our product line, please visit www.feldten-marine.com

Feldten marine is a Nanogate brand. Nanogate is the leading international integrated systems provider for nanosurfaces, concentrating primarily on enhancing high-performance surfaces. The firm, which is based in Göttelborn (Saarland), enables the programming and integration of additional properties – such as non-stick, antibacterial, anti-corrosive and ultra-low friction – into materials and surfaces. As an enabler, Nanogate gains a competitive edge for its customers by means of product refinement using chemical nanotechnology. Nanogate covers a wide range of industries, functions and substrates. The company thus provides a decisive interface for the commercial use of chemical nanotechnology and bridges the gap between the suppliers of raw materials and industrial conversion into products. In doing so, Nanogate concentrates as an enabler on one of the most attractive segments in the industry. Nanogate has a unique combination of extensive materials expertise paired with comprehensive, first-class process and production know-how. As a systems provider, Nanogate covers the entire value chain, from the purchase of raw materials, to the synthesis and formulation of the material systems, right through to the enhancement and production of the finished surfaces. Nanogate focuses primarily on plastic and metal coatings for all surface types (two and three-dimensional components).



The Nanogate Group currently has approximately 250 employees in all and since commencing operations in 1999 has been a trailblazer in nanotechnology. The company has first-class customer references (e.g. Audi, BMW, Bosch-Siemens Haushaltsgeräte, Junkers, Kärcher, Hörmann Group, Opel and REWE International AG) and many years' experience of different industries and applications. Several hundred projects have already gone into mass production. Nanogate has also entered into strategic cooperations with international companies such as the GEA Group and Dow Corning. Nanogate consists of Nanogate Industrial Solutions GmbH, Eurogard B.V., FNP GmbH for products in the sport/leisure sector, majority stakes in Holmenkol AG and GfO Gesellschaft für Oberflächentechnik AG, and an equity holding in sarastro GmbH.

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Fact sheet

Feldten Marine Gelcoat Sealer UV⁺

The product creates an invisible dirt and water repelling coating on the treated surface.

- Cleans Polishes and Seals in the same working process
- Creates hydrophobic and oliopfhobic protective layer
- UV damaged and faded surfaces regains its original color
- Extremely UV resistant
- Reduces application time by 50% compared with traditional waxes

Nanotechnology

Nanotechnology (“nano” – Greek: dwarf) is a comparatively young technology. It deals itself with the research, processing and production of items as well as structures that are smaller than 100 Nanometers (nm) in at least one dimension. A nanometer is a billionth of a meter (10⁻⁹ m) and around 50000 times finer than the average human hair. The small size of the nano particles or nano structures is one of the main reasons for their particular properties. The relative surface increases as the particle size decreases. For this reason, nano structures have an extremely large surface that considerably influences the behavior. Nano structures therefore lie in the dimension range in which the surface properties play an increasingly greater role in view of the volume properties of the materials, and quantum physical effects must also be taken more into consideration.