

TOUGHGUARD®

True Surface Protection



True Aviation & Marine-Grade Protection

Tested, vetted and used by Commercial, Military and Corporate aviation and marine clients, ToughGuard® offers maritime customers the same protective benefits these clients have come to rely on and trust for over 3 decades.

Enhance and Optimize Your Investment

A **one-time** application of ToughGuard® deepens and enhances the color and luster of paint for years—not weeks or months, but **years-guaranteed!**

Certifications:

Aerospace Material Specifications (AMS) 1526C, 2012
Boeing D6-17487 Revision R, 2012
Douglas Aircraft Company Customer Service Document (CSD) #1, 2012
British Aerospace (AIRBUS) AIMS09-00-002, 2012

TOUGHGUARD® SURFACE ROUGHNESS TEST RESULTS

Scientifically proven, the ToughGuard® coating smooths out painted surfaces. By smoothing out the surface, dirt and other contaminants lose the ability to adhere to the ToughGuard® treated surface.

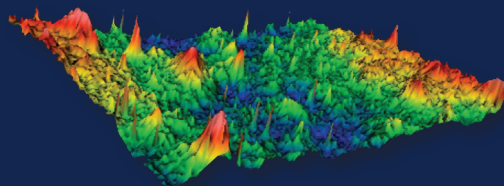


Figure 1: 3D profile of painted surface BEFORE ToughGuard® treatment = 132 nm

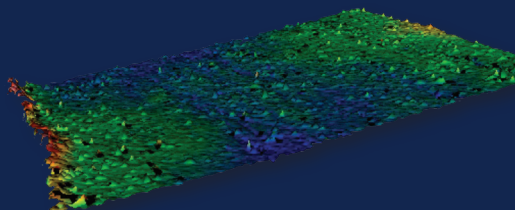
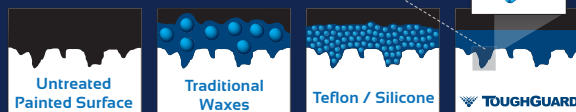


Figure 2: 3D profile of painted surface AFTER ToughGuard® treatment = 116 nm

nm = nanometer
1 nanometer = 1 billionth of a meter in size

**Results of testing from the Oregon Nanoscience
Microtechnologies Institute (ONAMI), 2012.**

Tighter, denser bonding means higher durability,
flatter surface & enhanced performance.



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Rev.
7/14



PREMIUM NANO SURFACE PROTECTION

"SIMPLY THE BEST"



TOUGHGUARD®

Nano Surface Protection



TOUGHGUARD®

Premium Nano Surface Protection



The ToughGuard® Difference

Unlike some of the competitor's products, ToughGuard® contains no silicone or Teflon by-products. The clean Nano Technology in ToughGuard® chemically creates a superior bond with the gel-coat and paint. This bond forms an extremely durable protective barrier that lasts for years.



TOUGHGUARD®'s Green Advantage: Eco-Friendly

- Water-based - Biodegradable
- Non-toxic & Non-hazardous
- Safe to apply in enclosed facilities
- Reduces regular washings saving on water and chemical usage

TOUGHGUARD's® Protection Benefits:

- Creates a barrier coat preventing scum lines from permanently binding and makes removal of scum line very easy with fresh water washing
- Creates thermally stable barrier coat that prevents salt crystals from bonding to the gel-coat or paintwork finish of the hull.
- Prevents discoloration differential between repaired areas and original gel-coat
- Enhances & preserves appearance of the watercraft
- ToughGuard's® interior products protect fabric, leather & vinyl by preventing stains, shedding spills and repelling dirt



Commitment to Research & Development

The ToughGuard® Company is committed to investing significant resources toward Research and Development with the goal of providing our customers with the industry's best performing product. ToughGuard® is constantly exploring new ways to improve our current product line as well as developing new products. ToughGuard® is engaged with one of the world's most advanced Nanoscience research laboratories along with several other highly credentialed testing facilities across North America. Coordination and collaboration of our R&D efforts is headed by a world renowned coatings researcher who is responsible for many U.S. patents in the field of chemical coatings. Our commitment to product improvement and new product development ensures customers the most cutting edge products available for today and in the future.



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