



Northeast Maritime Institute, Inc.
32 Washington Street
Fairhaven, Massachusetts 02719 USA

Golden Shellback™ is an effective, unique coating process that protects critical operational equipment from damage caused by exposure to moisture, immersion in water, dust, effects of high wind and chemicals.

Overview

- Northeast Maritime Institute, Inc. (NMI), has developed a unique coating process, *Golden Shellback™* for use in the commercial marine, recreational boating, military (aerospace and defense), industrial and medical industries.
- The coating process is specifically designed to protect devices commonly used in marine and hazardous environments against operational malfunction caused by exposure to moisture, immersion in water, dust, effects of high wind and chemicals.
- Any solid surface can be coated, including metal, wood, plastic, paper and textiles.
- The environmentally-sound process involves applying a uniform, thin layer of coating, ranging in thickness from microns to mils. The final product is inert and weather-resistant and splash-proof.
- Commercial off-the-shelf products can be coated. Units can be new or already in service.
- Sample applications include: electronics equipment, such as cell phones, radios, circuit boards and speakers; equipment used in ocean and space exploration; hazardous waste transportation equipment; medical instruments; paper products; and textiles.
- The cost-saving technology provides favorable economic returns by enhancing the survivability and sustainability of operational equipment and high value specialty products susceptible to corrosion and degradation. Cost per unit coated is not prohibitive.
- The process aids in getting the heat out of electronics components compared to standard processes that block the thermal path.
- The technology is designed to meet the requirements of MIL-PRF-38534 and MIL-PRF-38535.
- Prototypes have been tested and are ready for near-immediate transition to production.
- Application can be accomplished in small footprint facilities at forward locations or in CONUS at point of origin prior to shipment or at NMI. Remotely located application facilities can be quickly established and up and running
- This coating material is classified as a plastic. It is inert and does not react with skin.
- Any resulting waste product generated in the coating process can be disposed of as trash and is not classified as hazardous.

Northeast Maritime Institute and Sister Companies

Northeast Maritime Institute, Inc. is the largest privately-owned mariner training institute in the United States. Together with its sister companies, the Northeast Group, Inc., Northeast Maritime Communications, Inc., and Transportation Security Logistics, Inc., NMI provides technical, logistical and regulatory support services to marine personnel, shipping companies, ports and government agencies worldwide. Its programs are focused on maritime safety, security and ocean policies, as well as energy, gas and oil exploration services.

Contact Information

For more information or to discuss your specific interest, please contact:

Mr. Sidney Martin, Director of Technology, Northeast Maritime Institute, Inc.
32 Washington Street, Fairhaven, MA 02719 USA
Phone: + [1] (508) 992-4025. Fax: + [1] (508) 992-9184
www.northeastmaritime.com. info@northeastmaritime.com

Golden Shellback™ Northeast Maritime Institute, Inc., U.S. Patent Pending

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