



Marine Capabilities



Design Solutions for the Marine Industry.

For more than four decades we've successfully collaborated with customers to provide uncompromising products and personalized service. Working closely with manufacturers and designers, Morbern delivers customer-specific vinyl and upholstery fabrics unequalled in the industry.

From research and development, to state-of-the-art equipment, to extensive distribution infrastructure, Morbern leads the way in custom vinyl solutions. Innovation and in-depth knowledge of special applications make Morbern the choice for discerning marine engineers and designers.

As a leading ISO Certified vinyl supplier to the marine OEM, we take pride in crafting products only a North American vinyl mill can provide. Morbern customers expect more and they get it.

New Products: 3 weeks for lab samples. Production: 4-6 weeks after lab sample approval. Stock Inventory: 1-2 days shipping. Emergency Production: 1 week turnaround on critical items.



Allante™ shown in salon application as headliner and seating.

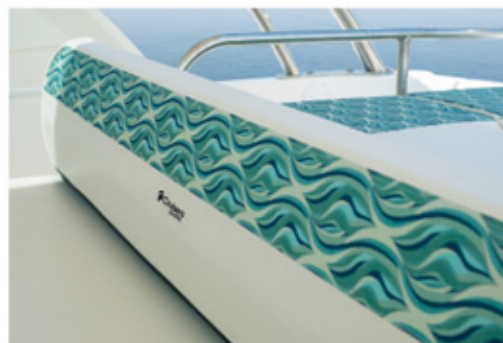


Marine Capabilities

Extraordinary Design. Superior Service.

One of the many unique services Morbern provides is comprehensive interior design support. With over twenty years of marine experience, our full-service design team works closely with designers and engineers to create fresh, innovative boat interiors. As a member of the Color Marketing Group, we track the latest trends from key industries that influence color and design around the world. Our textile weaving partners not only allow us access to the newest technology for woven textiles, but also develop custom products and construction only available from Morbern Marine.

From concept to application-friendly products, support services and marketing aids, our designers give our customers the competitive edge. We're committed to providing superior product technology, cutting edge design and unprecedented service to all Morbern customers.



*(n)deavor! - Morbern's exciting,
proprietary print technology.*



The Morbern Advantage

- Family owned North American vinyl mill with over four decades experience
- ISO 9001:2000 Certified
- In-house certified R&D laboratories
- Substrate knitting mill
- Vinyl lamination & textile fabrication facilities
- Custom coloring, embossed & printed vinyl
- Full service design center & showroom
- Eight distribution centers
 - Montreal, QC Canada
 - Elkhart, IN
 - High Point, NC
 - Dallas, TX
 - Toronto, ON Canada
 - Dayton, OH
 - Orlando, FL
 - Long Beach, CA

Full-Service Capabilities

- Exterior/interior vinyl and fabric design consulting
- Product development coordination
- Presentation boards prepared for product selection
- Information boards supplied for production facilities
- Preparation of standard books for quality control
- Develop vinyl cleaning support aids
- Supply dealer boards, catalogs and support tools

Vinyl Construction

- Expanded
- Vacuum-formed
- Non-woven

Expanded Production Capabilities

- Adhesive/flame laminated fabric & vinyl
- Dielectric hit fabric & vinyl

Fabrication

- Bedspreads
- Accent pillows with trim
- Pillows/shams
- Draperies

Quilting

- Cam & random outline
- Panels
- Roll goods

Morbern

www.morbern.com 888-MORBERN


MorbernMarine



Marine Care & Cleaning Solutions

Care and Cleaning for Allante™ Interior Vinyl

Allante should be periodically cleaned to maintain its appearance and prevent build-up of dirt and contaminants. Any stain, spill or soiling should be cleaned up promptly to prevent the possibility of permanent staining. When Cleaning, always rub gently.

Dry Soil, Dust & Dirt, Dried on Dirt	Remove with a soft cloth dampened with water.	Stubborn Spots and Stains	Spray with either Formula 409®, or Tannery Car Care Cleaner®, and rub with a soft cloth. Rinse with clean water.
Variations in Surface Gloss	Wipe with water dampened soft cloth and allow to air dry.	Liquid Spills	Wipe immediately with a clean absorbant cloth. Rinse with clean water.
Stubborn Dirt	Wash with a soft cloth moistened with Ivory soap and water. Rinse with clean water.	Food Grease and Oily Stains	Spray immediatly using either Formula 409® or Tannery Car Care Cleaner®, wiping with a soft cloth. Take care not to extend the area of contamination beyond its original boundary. Rinse with clear water.

Caution: Powdered abrasives, abrasive cleaners, and steel wool damage vinyl, as do strong solvents, lacquer solvents and inks. Lotions, suntan oil, waxes and polishes, etc., contain oils and dyes that can cause stiffing and staining of vinyls. Never use heat guns or hair dryers.

Care and Cleaning for Marine Interior Fabric

Spot clean only with water based shampoo or foam upholstery cleaner. Pretest a small, inconspicuous area before proceeding. Do not over wet. Do not use solvents to spot clean. Pile fabrics may require a brushing with a non-metallic, stiff bristle brush to restore appearance.

Cushion covers should not be removed and laundered. To prevent overall soiling, frequent vacuuming or light brushing with a non-metallic, stiff bristle brush to remove dust and grime is recommended. When cleaning a spill, blot immediately to remove spilled material. Clean spot or stain from outside to the middle of the affected area to prevent circling.

Caution: Water extraction or steam cleaning is not a recommended method. Use a professional furniture cleaning service when an overall soiled condition has been reached.

Special Warning for Vinyl Fabrics

- Unspecified cleaners should not be used.
- Powdered abrasives, cleaner containing abrasives, steel wool, and industrial strength cleaners are not recommended for Morbern vinyls.
- Use of citrus-based cleaners is not recommended by Morbern.
- Any lacquer solvent will cause immediate irreparable damage to vinyl.
- Wax should never be used on any vinyl uphostery, as it will cause premature embrittlement and cracking.
- If flammable sovents such as alcohol, turpentine or mineral spirits are used for cleaning, then only small quantities should be employed in a well ventilated area. Exercise proper care by advising any personnel in the area and keep away from any ignition source. Always wear protective gloves.



Marine Care & Cleaning Solutions

Care and Cleaning for Morbern Marine Exterior Vinyl

Morbern vinyl requires periodic cleaning to maintain its neat appearance and to prevent the build-up of dirt and contaminants that may permanently stain and reduce the life of the vinyl if they are not removed. The frequency of cleaning depends upon the amount of use and environmental conditions to which the vinyl is subjected. Vinyl upholstery will absorb stains and dyes from fabrics that "crop" or bleed, for example blue denim or bright prints. Some household cleaners and solvents remove plasticizers from vinyl making it brittle. The procedures used for cleaning are dependent upon the end use circumstances.

Normal Cleaning: In general, most common stains can be easily cleaned using warm, soapy water and clear water rinses. Moderate scrubbing with a medium bristle brush will help to loosen soiling materials from the depressions of embossed surfaces. For more stubborn stains use Formula 409® commercially available mild detergent in accordance with the manufacturers instructions.

*Note: When opening a new container, please test the cleaner in an inconspicuous area as cleaner manufacturers may change formula without notice

Certain stains may become permanently set unless they are removed immediately. The procedures for the removal of more severe staining agents are outlined below.

Ballpoint Ink, Permanent Marker: Ink spots will stain vinyl permanently. Immediate wiping with rubbing alcohol in a well-ventilated area will remove much of the stain.

Oil Based Paint: The use of turpentine in a well-ventilated area will remove any fresh paint. Dried paint must be moistened carefully with a semi-solid gel-type stripper so that the softened paint can be gently scraped away. Rinse with soap and water.

Caution: Direct contact with paint strippers will remove the print pattern from a vinyl. Paint strippers are very corrosive. Take care to avoid skin contact by wearing protection.

Latex Paint: Fresh paint can be wiped off with a damp cloth. Hot soapy water will normally remove dried latex.

Surface Mildew: Wash with diluted bleach; use soft brush for stubborn growth. Rinse repeatedly with clear, cold water.

Tar, Asphalt: Remove immediately, as prolonged contact will result in a permanent stain. Use a cloth lightly dampened with mineral spirits and rub the stain gently, working from the outer edge of the stain towards the center in order to prevent spreading. Rinse with soap and water.

Urine Stains: Sponge with soapy water containing a small amount of household ammonia. Rinse thoroughly with clean water.

Crayon, Mustard, and Ketchup: Sponge with mild soap and water. For stubborn stains that may have set, use a cloth soaked in a diluted mild detergent with gentle rubbing. Any remaining stain should be washed with diluted bleach. Rinse repeatedly with clear cold water.

Chewing Gum: Scrape off as much as possible with a dull knife. Rubbing with an ice cube will assist and make it easier to remove on scraping. The remaining gum should then be removed in a well-ventilated area using cloth saturated with mineral spirits. Use light rubbing. Rinse thoroughly with clean water.

Lipstick, Grease, Oil, Eyeshadow, Shoe Polish: Apply a small quantity of mineral spirits by means of cloth with gentle rubbing. Take care not to spread the stain by smearing it beyond its original source. No time should be lost in removing shoe polish, as it contains a dye, which will cause permanent staining. Rinse thoroughly with clean water.

Candy, Ice Cream, Coffee, Tea, Fruit Stains, Liquor, Wine, Suntan Lotion, Soft Drinks: Use clear, lukewarm water and sponge repeatedly. Any loose material should be gently scraped with a dull knife. Any soiled area remaining after drying should be gently rubbed with a cloth spotted with a mild detergent solution. Rinse thoroughly with clean water.

Blood, Leaf Residue: Rub out any spots with a clean cloth soaked in cool water. If stubborn stain remains, use household ammonia and rinse repeatedly with a clean, wet cloth. Do not use hot water or soap suds, as this will set the stain.

Bird Excreta, Nausea Stains: Sponge the area with soapy water containing diluted bleach until the stain is removed. Rinse thoroughly with clean water.