

MariDeck



Installation Instructions

MariDeck PVC Marine Vinyl is designed for installations on wood, aluminum or fiberglass surfaces. The product is adhered to the surface using either *MD-101* (for wood only applications), or *MD-102* (for aluminum, fiberglass or wood applications) adhesive. The instructions below describe a typical installation. Read through the instructions completely prior to beginning your installations. If you have any questions, feel free to call (888) 450-DECK for assistance.

Suggested Tools List

Measuring Tape
Scissors
Utility Knife

9" Medium Nap Paint Roller With 4' Extension
Push Broom or Linoleum Roller
Throw Away Rags

Surface Preparation

Ideally, it is best to remove any objects that are attached to the boat floor. Also remove any plastic or metal trim pieces. These will be reused to secure the edges of the vinyl after application. The removal of all seating, tables, trolling motors and electronic devices, etc., will allow for an easier and better application of the **MariDeck** product.

Any existing carpet or vinyl will also need to be completely removed in addition to any adhesive residue left on the surface to be covered. It is very likely that wood boats decks (pontoons) will require the complete removal of the existing wood surface and the replacement with new wood.

MariDeck recommends $\frac{3}{4}$ " pressure treated plywood or marine grade plywood screwed to the structure. Consult **MariDeck** if another surface is required. Install new wood securely with high quality moisture resistant screws. Plywood sheets should be butted against each other leaving no more than a $\frac{1}{32}$ " space.

Wood Surface Application - MD-101 (water-based adhesive) - 1 surface application

****DO NOT SEAL THE PLYWOOD:** If your wood surface is sealed with a water-proofing sealant, then MD-102 (sovent-based) adhesive must be used. The water-based adhesive must be applied to a pourous surface for the membrane to adhere properly.

****For MD-102 (sovent-based adhesive) please refer to Aluminum/Fiberglass surface application instructions.****

Prior to applying the **MariDeck** vinyl, inspect the surface of the boat to be covered to make sure all debris, saw dust, screws, or any foreign objects have been removed. Use a leaf blower or broom at this time to insure the surface is completely clean.

Be extremely careful when unwrapping the roll. Sharp objects can damage the MariDeck vinyl. Take caution in removing the packaging to avoid damage to the product.

After the packaging has been removed, unroll the vinyl over the surface to be covered. Take this time to determine that the roll is of sufficient length to cover the surface required. Center the vinyl on the surface and adjust for appropriate overhang requirements on all four sides. Pull out any wrinkles or folds in the vinyl if they exist.

Once the vinyl is adjusted to the ideal position, install a couple weighted objects (i.e., tool box, adhesive pail, brick) on the membrane at one end of the boat. The weighted objects should be within 24" from the edge of the boat. Starting at the opposite end of the boat, roll the membrane loosely back to the weighted objects. As you roll the vinyl, try to maintain a straight and consistent roll.

Wood surface applications require the use of *MD-101* adhesive. Prior to opening, shake the glue container slightly for 60 seconds. The glue should have the appearance and consistency of Elmers glue/thick white paint. Coverage rates for the *MD-101* are approximately 125/SF per gallon. Depending on the ambient temperature, the adhesive will begin to dry relatively fast after application. If you are working alone, do not try to install more than 15 linear feet at a time. The vinyl needs to be applied when the adhesive is wet.

Open the container and pour the adhesive in a serpentine pattern onto the wood deck in front of the roll. The serpentine ribbons of adhesive should be approximately 1.5" wide. Cover an area that extends the width of the roll and out from the roll 15'. Using the medium nap paint roller, roll over the adhesive blending it together and completely covering the wood surface. The consistency and coverage of the adhesive should represent a heavy coat of paint. Do not leave puddles of adhesive or dry spots on the wood surface. Finish the area of adhesive application in a relatively straight line across the width of the boat.

Standing on the vinyl near the weighted objects, slowly and careful begin to unroll the vinyl over the freshly applied adhesive. Make sure that the roll is unrolled straight and wrinkle free. If a wrinkle does appear, lift the roll of vinyl off the adhesive slightly and straighten to remove wrinkle. Continue to unroll the vinyl to cover all of the adhesive.

Take a clean stiff bristle push broom and sweep over the surface installed using medium pressure. The process will help distribute the adhesive under the vinyl evenly and help provide for consistent contact between the adhesive and vinyl. Make sure any air pockets are pressed out if they exist.

Return to the beginning of the roll and remove the weighted objects. Fold the vinyl back exposing the un-adhered wood surface. Apply adhesive as described above and follow same vinyl application procedure.

The remaining vinyl (or next 15') can now be adhered to the wood surface. Make sure the new application of adhesive slightly overlaps the previous to eliminate voids in the coverage. It is acceptable to separate the adhered vinyl from the initial adhesive to ensure 100% coverage as long as the vinyl has not dried. Complete the application as described above.

Drying Time

You can walk on the vinyl immediately after installation. However, excessive walking and foot traffic could put small wrinkles in the vinyl. Take caution in walking on the surface and always inspect the area after contact. In dry weather conditions and temps 60 – 90 degrees F. the glue will be dry in 2-3 hours. It is recommended that the glue be allowed to dry completely over night before installing seating and equipment.

Aluminum/Fiberglass Surface Application - MD-102 (solvent-based) - 2 surface application

Prior to applying the *MariDeck* vinyl, inspect the surface of the boat to be covered to make sure all debris, dust, screws, or any foreign objects have been removed. Use a leaf blower or broom at this time to insure the surface is completely clean.

Fiberglass surfaces will likely require that the surface be etched using a coarse grade of sandpaper. This will allow for better adhesion. Remove all fiberglass dust prior to applying adhesive.

Follow the package removal instructions as listed above.

In most cases, applications over aluminum or fiberglass require pre-cutting the vinyl into the appropriate shapes and sizes required for the specific area of the boat. Carefully measure the shapes and sizes allowing for appropriate coverage. If a larger surface is to be covered, utilize the same installation method described above using the appropriate adhesive and procedures outlined below.

MD-102 is very flammable. Keep all adhesives away from children and do not use this product near an open flame or high heat. MD-102 should be installed in a well-ventilated area.

Once the sizes are cut, apply *MD-102* solvent adhesive to the non-woven polyester backside of the vinyl using a small nap paint roller (smaller areas may require the use of a 3" roller). Coverage rates for the MD-102 are approximately 50-60/SF per gallon. Be careful not to get adhesive on the topside of the vinyl. Removing spilled or excess adhesive is extremely difficult. Then apply a thin coat of *MD-102* adhesive onto the surface to receive the vinyl piece. **Again, be careful in the application. Only apply enough adhesive to be covered by the vinyl.** Allow the adhesive to set for 10-15 minutes.

****Note:** If you apply the adhesive too thick, you may notice air "gas" pockets under the vinyl after approx. 24 hours. Please do not attempt to remove the vinyl and do not seal the edges. These "gas" bubbles will go away. If possible, move the boat into the sunlight. This will speed up the process of allowing the gases to "escape" and the material will lay flat. Depending on ambient temperature and amount of excess glue, this process can take 2-3 days.

The adhesive is ready for application when you can touch the adhesive on the aluminum with your finger, and feel only a slight tackiness. If "legs" or "strings" appear between your finger and the adhesive, allow another 5 minutes to dry and retest. Do not wait longer than 15 minutes to apply the glued vinyl to the glued surface.

Carefully apply the glued piece of vinyl without wrinkles or air bubbles. *MD-102* is a solvent-based contact adhesive and will require quick installation. Make certain the vinyl pieces are positioned correctly before applying. After the piece of vinyl is applied, use your hand to smooth out any air bubbles or wrinkles while ensuring uniform contact.

Follow the same instructions for subsequent pieces of the vinyl.

Seams

It is possible to overlap the vinyl and create a seam although exposed seams should be avoided as much as possible. In pre-cutting the vinyl pieces, try to utilize pieces of vinyl that will hide the seams under overhangs, under seats or aligned with the seams in the aluminum. You can also butt seams by performing a "wall paper cut". Over lap the two pieces of product then, following the edge of the top vinyl, use a sharp utility knife to cut through the bottom vinyl. Fold the top layer back slightly, remove the trimmed piece of bottom vinyl, and then, fold the top layer back in place to butt the vinyl.

Drying Time

MD-102 adhesive dries very quickly. Allow a minimum 1-hour drying time before installing seating and equipment.

For Technical Assistance call (888) 450-DECK.