

Defender Installation Guide for Pre-Assembled Syn-Teak Panels

Before you start this project;

- 1. Remove all of the panels from the shipping container and lay them on a flat surface in a warm (over 65°F) environment for at least 24 hours prior to installation. Laying them flat in the sun for a few hours works great as well. This will allow the material to "relax" and lay flat and smooth after being rolled for shipment. Do NOT attempt to unroll material that is cold and stiff as you can damage the panel. Allow cold panels to warm and become flexible before attempting to unroll.
- Allow adhesives to warm to at least 65°F prior to use.
- Plan your installation for a window of at least 60°F over 24-48 hours. Cold overnight temperatures can cause the material to move slightly before the adhesive has properly cured and cause misalignment of the panels.
- Wash your boat's deck using a good quality boat soap and brush, then rinse well and let dry completely.

Tools and Materials you will need to complete this project;

- Denatured Alcohol Do not use Acetone or MEK near any panel product! Denatured Alcohol is safe for use on most boat surfaces including vinyl upholstery. It cleans up the adhesive really well and is safe enough to use without gloves but it will dry out your hands.
- Lots of rags.
- A hand held flooring roller. Available at Lowe's/ Home Depot for under \$40. In a pinch, a rolling pin from your kitchen will work for smaller projects.
- Roll (or more) of blue painters tape. We recommend 3M #2090 in 1" or 3/4" width.
- 1/8" V-Notch Adhesive Spreader.
- 5 Gallon Bucket or Empty box to use for trash, used rags and used adhesive spreaders.
- Nitrile or Latex gloves and knee pads are optional depending on your desired level of cleanliness and comfort.

Preparing the Deck

- 1. Start by laying out all of the panels on the boat and make sure all sections that you ordered are present and fit correctly.
- Lay out the panels on the boat deck and position them so that all of the caulking lines are lined up correctly and gaps around the panels are spaced evenly. Trace the edges of the panels onto the deck using a pencil.
- Remove the panels from the boat and lay them face down on a flat surface. Wipe the underside of all panels with denatured alcohol to remove any debris and/or contaminants.

Installation

The actual installation process is not difficult but you want to take your time and do it correctly. The Keys to Success are;

- Do not spread too much adhesive at once.
- Less Adhesive is More! You really just want enough adhesive to fill the small channels between the non-skid pattern and leave a fine film on top of the non-skid. A thick layer of adhesive does not help the material bond to the deck any better. It just wastes adhesive and makes more of a mess. As you roll out the material to remove any air bubbles, excess adhesive will squeeze out the sides and create more work at clean up.
- Using the 1/8" notched spreader, trowel the adhesive onto the deck working in a smooth and efficient manner. Stop spreading adhesive about 1/8" from the pencil lines you drew denoting the edge of the panel. Once you have troweled out an area go back over the area with the notched spreader at a 45° angle to the deck to remove any excess adhesive. You'll be amazed at how much adhesive you scrape up doing this! Use the excess adhesive to expand the size of the area being worked until the entire area has been gone over at a 45° angle.

- 2. Carefully set the panel in place. If you have worked efficiently spreading the adhesive you will have a few minutes to slide the panel around to position it correctly. If the panel will not slide you may have to peel it up in order to reposition. Note that panels are difficult to slide around on decks that have a sandpaper type (spray on) non-skid texture so try and be precise when laying the panel in the adhesive.
- 3. After each section of adhesive is spread and the panel set in place use the flooring roller to roll out any air bubbles that may be trapped under the material. It is important to do this while the adhesive is still wet. Roll the decking with a good amount of pressure and work from edge to edge in ONE DIRECTION ONLY. Rolling in different directions will just move an air bubble around without pushing it to the edge.
- 4. Try not to walk or kneel on panels for 24 hours after installation.
- 5. Check your work area after each panel and wipe up any adhesive that squeezes out the side using a dry rag to start and then a rag and denatured alcohol to finish the clean up.

Care and Maintenance

You never need to apply any protectants, oils, or other products to preserve the finish. Fish blood, food, drinks, and dirt are easily washed away.

POWER WASH IT!

A small household power-washer (around 1500 psi) works well to lift debris from the textured surface.

SOAP!

Soaps such as boat wash or Simple Green[™] can be used to help release the dirt. Food spills, especially oily foods, should be cleaned with a safe degreaser such as dish detergent or Marine Clean[™].

BRUSH!

A nylon brush is often helpful to release stubborn debris from the surface. If desired, a short bristled wire brush can be used on wet decking with soap and water to help loosen particles. IMPORTANT: If you use a wire brush, always move the brush in the direction of the grains.

SANDING!

For bad scuffs, small cigarette burns, or really stubborn stains that have been left to dry, lightly sand the area with 40 grit sandpaper. Also, if an area is worn smooth for some reason, the texture can be restored by lightly sanding. Make sure you sand in the direction of the grain with short strokes. Use a heat gun or let the sun heat your deck over time to blend tones on any areas that have been lightened during the sanding process.

DO NOT WEAR BLACK-SOLED SHOES

Black shoes may leave scuffs on any decking surface. Wear boat shoes or no shoes.