

DEC-K-ING®

Installation Guide for Decking Walking Waterproofing Membranes



REINFORCED PVC MEMBRANES & ALUMINUM RAILINGS (PICKET OR GLASS)

DURABLE, ATTRACTIVE AND MAINTENANCE FREE

Step by step installation guide:



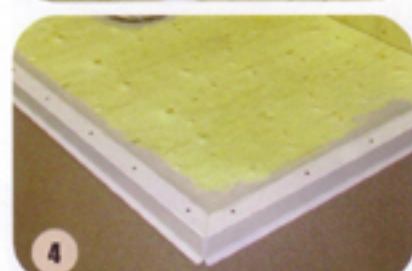
1 Preparation of the surface is very important. The first step is to ensure the area is dry. If moisture is present, a tiger torch can be used to dry the surface.



2 The surface must be smooth. This is accomplished by applying a special floor levelling compound mixed with latex to plywood joints, knot holes, uneven spots. On other surfaces such as concrete, surface must be ground smooth or levelled with a floor compound. Painted surfaces must be free of flaking paint. Note: Do not apply over treated plywood as chemicals may react with adhesives or PVC membrane.



3 The deck is then sanded, usually with a disk sander or floor edger so that the area is as smooth as possible. Particular attention should be given to plywood joints.



4 A PVC coated metal drip flashing is counter sunk and nailed at the edge of the deck.



5 The vinyl is laid in place and stapled at the seams to prevent shifting during installation. The vinyl is overlapped the same direction as shingles on a roof. An allowance of 1" of vinyl is required going over the edge of the deck and 6 inches up the walls.



6 The PVC membrane is stapled in position, only on the seams. Later the staples will be removed and seams will be sealed using either a chemical sealer or hot air welding tool.



7 The contact cement is applied only to one half of the vinyl sheet at a time. A special paint roller is required to apply contact adhesive, and caution must be taken not to roll glue over the same area more than twice, as it will stick to each other and form balls of glue creating lumps under the membrane. The contact adhesive is applied to the back of the vinyl and the substrate (wood, concrete, etc.).



8 Latex is applied with a trowel 1/16 of an inch. Latex glue will set at 70 degrees F in approx. 10 minutes. Latex is applied only to substrate and not to vinyl back. Ensure that you spread only enough latex so that you can recover that surface within 10 minutes. When vinyl is laid, use a minimum 70 lb. steel roller over PVC membrane to set membrane in place. Allow at least 12 hours to dry.



9 Once the contact adhesive is tacky or after spreading latex glue, fold back vinyl. Using a rubber roller or a new paint roller, insert roller under vinyl membrane and push out vinyl over area that has just been glued. Caution should be used not to create wrinkles in the process.



10 When using latex adhesive, a heavy steel roller (approx. 70 lbs.) is recommended to adhere membrane to substrate.



11 Seams are overlapped and heat welded together to provide a permanent bond. This method should be followed whenever two or more pieces of vinyl are required. The pieces should be overlapped by at least 3/4" and heat welded with a hot air welder. The PVC membrane is then heat welded to flashing and trimmed flush with the edge.



12 When using chemical seam sealer: overlap seams by approx. 1 inch, mark off area with masking tape, and apply generous amount of chemical to lower piece of vinyl only. Immediately press both surfaces together. Place heavy object on top of seam such as 2 x 4 piece of wood and let stand overnight. Remove masking tape once seam is completed.



13 On corners, cut PVC membrane at 45° angles. A corner patch is then glued over the wood surface and heat welded to overlapped PVC membrane.



14 When deck requires a drain, cut a hole and recess it into the deck. The PVC membrane is glued and laid over the deck surface. Do not use glue where membrane covers drain. Cut hole for drain in a star shape, trim excess vinyl and heat weld to inside of PVC coated drain.



15 A post is waterproofed by also making 45° angle cuts on corners and then trimming excess vinyl about 3/4" from the deck. A skirt is then applied around the post or a collar can be fabricated from leftover pieces, glued to the post, and welded to the membrane.



16 A strip of wood (1" x 2") fastened to the deck edge with the PVC membrane glued around it, is an alternative to using drip metal flashing. The membrane is then fastened with an aluminum bar.



The finished product is a durable, attractive deck membrane guaranteed to last and look beautiful for years to come.