

Sure-Weld® TPO

with SeamShield™

Carlisle SynTec Systems' SeamShield protective film is designed for easy removal, leaving a residue-free surface that's ready for welding. The system incorporates a split 6" transparent blue film on the top ply, allowing for clear visibility of overlap lines and fastener marks during installation. A 3" gray film contrasts with the black bottom ply, improving installation accuracy. Additionally, the inclusion of a split top film accommodates both mechanically fastened and adhered installations, enhancing versatility and ease of use across different application methods.

Mechanically Fastened Installation

Step 1: Place the TPO membrane over a suitable substrate.



Step 2: Secure to the roof deck utilizing 2 3/8" PIRANHA™ Plates and HP-X Fasteners. The fasteners and plates will be placed on the "X" marks in the overlapped membrane area and spaced so the membrane will withstand the design wind loads.



Step 3: Line the adjoining sheet to the splice alignment line on the sheet.



Step 4: Remove the outside section of the blue split SeamShield film as well as the gray film on the underside of the sheet, exposing a clean, weldable area. These can be pulled individually or at the same time. Wait until you are ready to weld to do this step to ensure the seam stays clean.



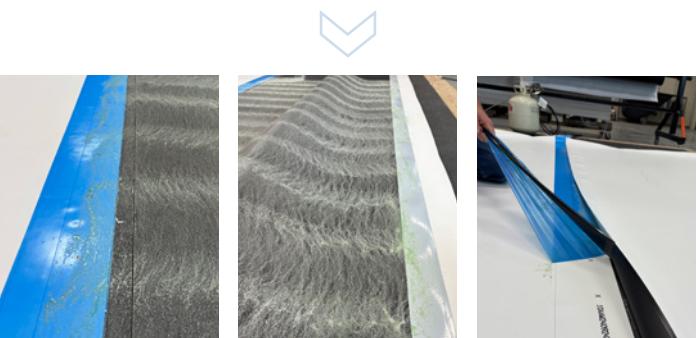
Step 5: Weld the seam.



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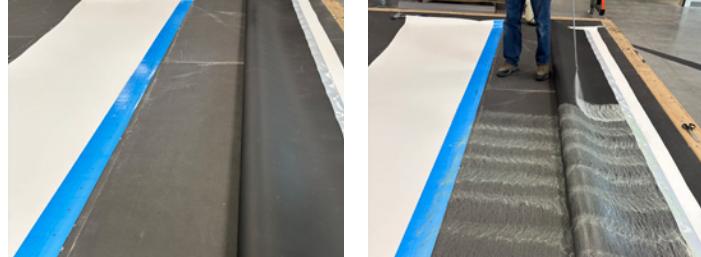
Fully Adhered Installation

Step 1: Place the TPO membrane over a suitable substrate. Line the adjoining sheet up with the top of the X's, ensuring at least a 2" overlap of the two TPO sheets.



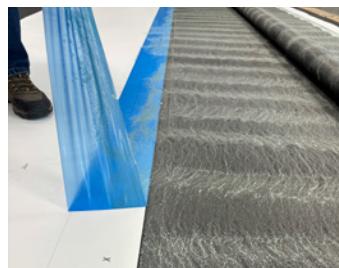
Step 2: Install adhesive per specification on the substrate and membrane or just the substrate (depending on the adhesive used).

Step 4: Weld the seam directly after installing the sheet to ensure the seam stays clean.



Step 3: Once the adhesive has flashed off and prior to rolling the sheets into place, remove the entire blue SeamShield film as well as the gray film on the underside of the sheet, exposing a clean, weldable area.

Note: You can roll the sheet in first and pull both films at the same time, but if there is adhesive on both films, the films may stick and may not be as easy to remove.



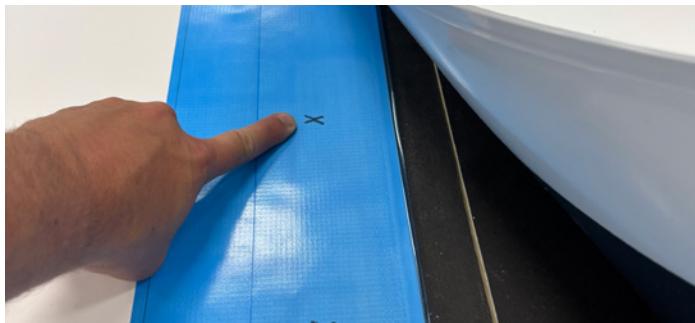
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Induction Welded Installation

Step 1: Place the TPO membrane over a suitable substrate that has been secured using induction welding plates and mechanical fasteners spaced to withstand the design wind loads



Step 2: Line the adjoining sheet up with the top of the X's, ensuring at least a 2" overlap of the two TPO sheets.



Step 3: Remove the entire blue SeamShield film on the top ply and the gray film on the underside directly before welding to ensure the seam stays clean.



Step 4: Weld the seam.

