

Step 7: Roof Component (Part 3)— *Roof Membrane Installation*

For the roof membrane we use thermoplastic polyolefin (TPO) over the interior and vinyl fabric over the deck and rear overhang. TPO is a single-ply reflective roofing membrane. Combined with the vinyl material, it offers a long lifespan, good insulation value and protection of the Reflectix insulation, and low maintenance. (For more info on these materials see page 74)

Step 7A: Volunteers unroll the vinyl material over the front and rear of the hut.

Step 7B: Pull one side of the fabric so it wraps neatly under the floor framing for fastening (the finished side) from below. Let the other side run long. It will be cut later. The vertical edge of the material should extend about 1.5" to 2" beyond the outside edge of the cattle panels (porch and rear eave).

Step 7C: Fasten the finished side with the 1" hex roofing screws, from underneath up into the 2X6 at the edge of the floor framing. Fasteners should be about 6" apart. Have one person keep the material straight and taut, while another fastens it. Follow the same procedure on the other side.

Step 7D: Fold the vinyl material over the edges of the cattle panel and attach the PVC saddle clips. It's a bit tricky sometimes to get the PVC clips on, but with persistence anything is possible. The clips go all the way around the cattle panel to give the edge a clean finished appearance. (This step can also be done after 7E.)

