

# Installing **EVA Foam** on cockpit floor

by Chuck Scheaffer Resolute 1989 C&C 34R, 4-21-22



#### Material needed:

Two rolls of EVA foam matting, 94" x 35" each (\$80 each from Interweb)

- One 5yd roll of SailRite's Dura-Skrim for templating (\$15)
- Sharpie Markers
- Scissors
- Straight edges, 18", 30" 48" lengths
- Square
- Hand Roller, rubber or hard plastic wheel (rolling pin would work)
- Various cans to trace round corners (Hunt's Tomato Paste worked in most instances)

#### Templates:

Marked the cockpit floor perimeter with painter's blue tape to establish a  $\frac{3}{4}$ " reveal and aid making the templates. Positioned the tape so the outer edge marked the perimeter of the EVA pieces. Moved tape several times till we got the best reveal between matting and the cockpit walls. Used  $\frac{3}{4}$ " reveal in most places, but used  $\frac{1}{4}$ " to  $\frac{3}{8}$ " along the drain swale running down our cockpit as this gutter is over an inch wide. Our traveller is on the cockpit floor and a two inch wide reveal was used here to allow room for the car and crosshaul lines. Used weights (soft 1 and 2 pound ankle weights) to hold down Dura-Skrim templating sheet. Used a straight edge to keep lines straight and a sharpie marker.

Used Hunt's Tomato Paste can, to trace round corners. 2 1/8" diameter

Used a plastic two gallon paint tub to trace and match larger curve of the seat.

Made individual templates for the center panels and made a set of templates for one side and flipped templates to make symmetrical panels for the other side. This helped make matching pairs of matting that really improve the overall look of the job.

Installed centerline panels first and used a piece of matting to space pieces on each side.

Used a 48" long straight edge laid on seams of glued down matting to mark templates further aft to line up seams in adjacent pieces.

Cut out template on center of sharpie line, leaving the mark on the plastic. Later, cut the EVA inside of the line to match the template.

#### Cut EVA Matting

Placed template on face of EVA matting on cabin floor, lined up seams with marks made earlier, use weights to hold in position, Mark EVA using marker, straight edge, and various cans for corners

Cut out the EVA inside of line, removes black line and matches templates

Test fit EVA on the floor. Make any minor adjustments.

Rounded over all the edges using 150 grit sandpaper

#### Applied EVA matting to the cockpit floor:

Positioned matting pieces using weights, double checked all references

Bent up one edge while keeping piece in position with weights, and peeled back only a few inches of white film to expose the adhesive along one edge.

Double checked position before sticking down, then held the piece in position with one hand while pressing down the exposed sticky edge to anchor the piece in position then worked across the piece, peeling back a few inches, pressing that down, peeling a little more and pressing that down, until the whole piece was down.

Applied pressure using a hand roller over the whole piece for five to ten minutes, to activate the "pressure activated" adhesive.

Final step is to silicone the outer edge to prevent water getting under the mat.















