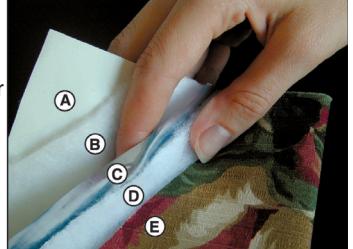




# The Basic Warm Window® Insulated Shade System

## WARM WINDOW INSULATED LINING

- A - Drapery lining
- B - High density hollow polyester fiber
- C - Polyethylene vapor barrier
- D - Metallized film needled with poly fiber
- E - Cover fabric



The Basic Warm Window is a quick solution for drafty windows around the house as well as in campers and boats. The easy construction lends itself to all kinds of applications including fireplace openings, air conditioner covers and vent covers. Hook and loop tape provides a secure energy efficient seal all the way around while allowing the shade to be held open when desired.

Before you begin you will need the following tools, supplies and measurements. Please read through the instructions completely before starting your project.

### Tools:

- Measuring Tape
- Sharp scissors
- T-Square or long ruler
- Pencil
- Sewing Machine or Iron
- Staple Gun

### Supplies:

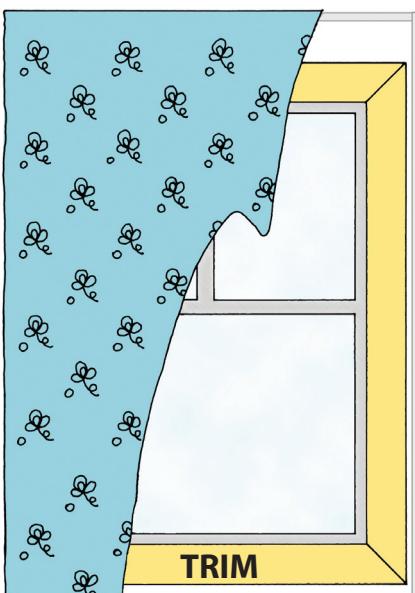
- Hook & Loop Tape
- Warm Window Fabric
- Cover Fabric
- Thread or Steam-A-Seam 1/2" Tape

### Measurements:

- Measure Window Opening
- Measure for Additional Length
- Measure for Additional Width

Key - WW: = Warm Window Fabric      FW = Finished Width      FL = Finished Length

## STEP 1 - MEASURE YOUR WINDOW



The Basic Warm Window shade is constructed using an outside mount. Accurately measuring your window opening and deciding where you will place the hook and loop tape on your wall are the keys to determining your finished shade length ( FL ) and finished width ( FW ).

Record the distance from left to right across the top of the window opening and then the bottom of the window opening to determine the width. If these measurements don't match exactly, your window is not square and you will use the larger measurement. Record the distance from the top of the window opening to the bottom of the right side and then the left side to determine the length again using the larger measurement if necessary.

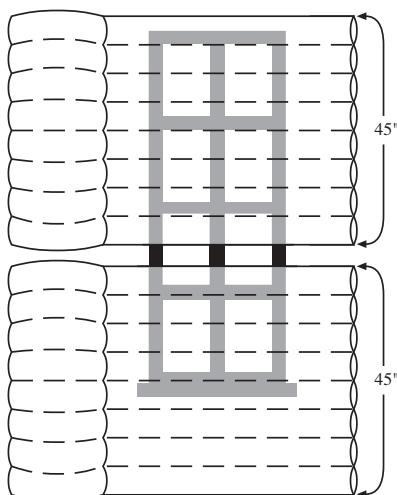
The finished shade must extend at least 3/4" all the way around the window opening allowing for the hook and loop tape edge seal (adding 1 1/2" to the FW and 1 1/2" to the FL) but may extend farther depending on the location of trim and your preference. The bottom of the shade can rest on the sill or may extend farther than the window opening if the sill is flush with the wall. The top of the shade may be any distance above the window opening that you desire. Determine your shade's FL and FW by adding any additional width and length to the window opening measurements.

## STEP 2 - CUT YOUR FABRICS

The WW fabric is cut to the exact dimensions of the finished shade. Additional cover fabric is required for the seams on the sides and the hems at the top and bottom of the shade. Depending on the size of your finished shade, you may need to piece together the WW fabric or the cover fabric. The WW fabric is available in two widths 45" and 60". Two or more widths are easily joined together at the channel lines when covering taller windows. Piecing cover fabric is also a simple process just remember if you're using a printed fabric you will need to make sure the pattern lines up. As always - measure twice - cut once!

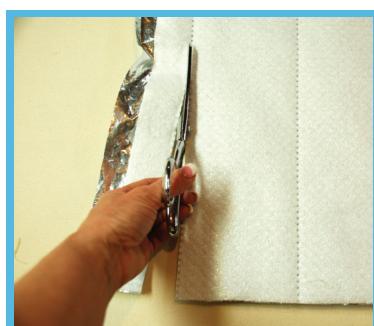
### PIECING WARM WINDOW FABRIC FOR TALL WINDOWS

Cut two or more widths of WW fabric a few inches longer than the FW of the shade. Once the WW fabric is pieced, you will cut it to the exact dimensions of your finished shade.



**Sewing Method:** Align the WW fabric lengths together at the outer most channel line with the drapery fabric sides together and pin. Machine stitch through all layers directly on the channel line. Using a walking foot will help as the fabric will be bulky and holding the fabric taut in front and behind the needle will also help prevent puckering. Trim to 1/4".

**No-Sew Method:** Peel and stick a strip of 1/2" Steam-A-Seam 2 to the outer most channel line on the drapery lining side of the WW fabric. Layer the other width drapery lining sides together at the channel line finger pressing for a temporary bond. Using plenty of steam, fuse the widths together following the instructions on the Steam-A-Seam 2 packaging. Trim the bonded drapery lining to the edge of the bond - 1/2" from the channel line and trim all of the other layers to 1/4" from the channel line.



### Cut the WW Fabric

The WW fabric is cut to the exact dimensions of the finished shade to include at least 3/4" past the window opening on all sides (a total of 1 1/2" for the width and 1 1/2" for the length) to allow for the hook and loop tape as well as any additional width and length desired to clear molding or trim. Using a carpenter's square or a T-square align with channel line and mark a straight line the entire width of the WW fabric where you will trim creating a squared edge. From this edge measure to the FW, mark and cut. Mark and cut the FL starting at a full 4" channel line.

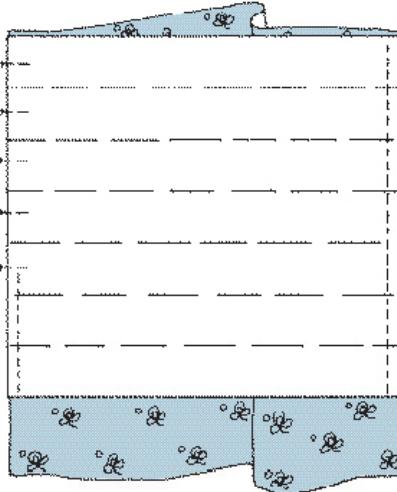
### Cut the Cover Fabric

The cover fabric is cut wider and longer than the finished dimensions of the shade to allow for the hems and seams. Square off the cover fabric using a T-square or the carpenter's square. Starting with the finished dimensions of the shade add 2 1/2" to the width and add 9" to the length. If piecing the cover fabric is necessary, sew using a 1/2" seam allowance or use Steam-A-Seam 2 fabric fusing web matching patterns when needed. Once pieced, square off, mark and cut.

**"Sewing Warm Window is as easy as sewing a pillow case!"**

## STEP 3 - CREATE THE SEAMS & HEMS

Create the seams for the right and left sides of the shade. Lay the WW fabric drapery lining side up and layer the cover fabric right side down aligning the edges of cover fabric with the edges of the WW fabric. The cover fabric will extend 1" at the top of the shade and 8" at the bottom. The cover fabric will not lay flat as it is 2 1/2" wider than the WW fabric. This excess is taken up when the shade is turned right side out.



### JOIN THE SIDE SEAMS

**Sewing Method:** Pin cover fabric to the WW fabric. Using a half inch seam allowance sew a straight line making sure to catch all layers. A walking foot will help as this will be bulky. If a walking foot is not available holding the fabrics taut in front and behind the needle will help.

**No Sew Method:** Peel and stick the 1/2" wide Steam-A-Seam 2 fabric fusing web along the edge of the WW fabric. Finger press the cover fabric matching the edge to the edge of the WW fabric. Using a household steam iron fuse the cover fabric to the WW fabric. While there is no risk of overheating the Steam-A-Seam 2 it is possible to pucker or shrink the polyethylene vapor barrier. You may want to experiment with a scrap piece of WW fabric to adjust the time and temperature accordingly.

Turn the shade right side out. Press flat setting the side seams.



### BOTTOM HEM

**Sewing Method:** Lay the shade front side down. We will turn up the 8" of cover fabric at the bottom of the shade to create the bottom hem. Fold the excess fabric in half to the bottom of the shade and press setting a crease. Fold up again covering the first full 4" channel. Pin and stitch down across the top. Close the sides using a slip stitch.

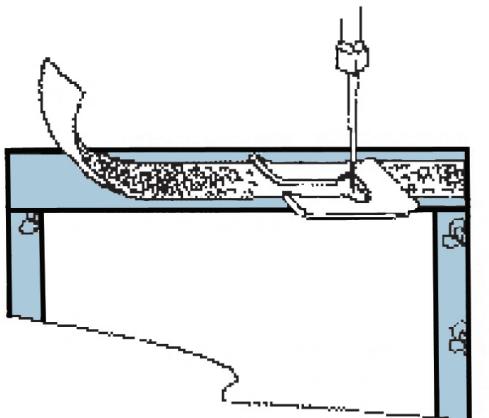
**No Sew Method:** Lay the shade front side down. Fold the excess cover fabric up to the WW fabric and iron to create a crease. Fold up again so that the hem covers the first full 4" channel. Iron again to create a crease. Unfold exposing the top of the hem to be fused to the WW fabric. Peel and stick 1/2" Steam-A-Seam 2 across the top of the hem and along both sides of the hem. Finger press in place and fuse permanently following the instructions on the Steam-A-Seam 2 packaging.

### TOP HEM

**Sewing Method:** Lay the shade front side down. We will turn up the inch of excess cover fabric at the top of the shade to create the top hem. Fold the excess fabric in half to the edge of the WW fabric and press to create a crease. Fold up again over the top of the shade of the shade and press flat. Pin and stitch down along the inside edge. Close the sides using a slip stitch.

**No Sew Method:** Lay the shade front side down. Fold the excess cover fabric in half up to the WW fabric and iron to crease. Fold up again over the top of the shade of the shade and press flat. Unfold exposing the top edge of the cover fabric to be fused to the WW fabric. Peel and stick 1/2" Steam-A-Seam 2 across the top of the hem and along both sides of the hem. Finger press in place and fuse permanently following the instructions on the Steam-A-Seam 2 packaging.

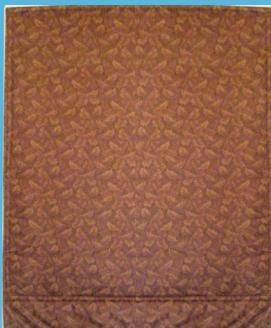
## STEP 4 - APPLY HOOK & LOOP TAPE



**Sewing Method:** Choose a 1" sew in hook & loop tape in a compatible color. Align a length of the hook side across the top edge on the back of the shade. Machine stitch through all layers along both sides of the hook tape. Using the same method sew the hook tape across the bottom hem of the shade and then along each of the side seams.

**No Sew Method:** Choose the 1" sew in hook & loop tape in a compatible color. Align a length of the hook side across the top edge on the back of the shade and cut to length. Using the 1/2" Steam-A-Seam 2 peel and stick two strips side by side on the back side of the hook tape covering the entire tape. Finger press in place along the edge of the shade. Using a damp press cloth fuse in place with plenty of steam. Using the same method fuse the hook tape across the bottom hem of the shade and then along each side seam.

Apply the loop side of the tape to your window trim or wall using a staple gun or small finish nails. It is easiest to center and level the shade by holding it in place over the window and marking the wall lightly with a pencil. Self adhesive loop tape makes mounting your shade simple and quick. Without removing the paper liner from the loop side of the tape lock it into place on the shade making sure to cut the lengths equal to lengths across the top, bottom and sides of the shade. Peel back an inch of the paper liner from the tops of tape along the sides of the shade. Stick in place over the window and when you are satisfied that it is centered and level simply pull the peeled back inch completely away from the loop tape on both sides. Press firmly to the window trim or wall. Remove the paper backing from the top and bottom loop tape lengths.



When your shade is sealed over the window a dead air space is created that adds to the shades energy efficiency. The dead air space can get very hot particularly if in direct sunlight. Release the tight seal around the window daily to prevent excessive heat build up that could cause the window to crack.



Folding up the shades at every other channel line and catching the folds on the loop tape around the window gives function to the shade without the use of cords that may pose a risk to small children and pets.

### CARING FOR YOUR SHADE

Your finished Basic Warm Window shade is not machine washable as the layers will shrink unevenly. Keep your shade looking its best by dusting regularly and vacuuming any dust build up. If your shade does get a stain you can use a spray on vacuum off upholstery cleaner available at grocery and department stores.

**"We have a condo up in the mountains near Boulder. Since installing Warm Window our electric bill is consistently 30% less than our neighbors. I know - I've kept the receipts!"**

Susan Weissenrieder, Boulder, CO