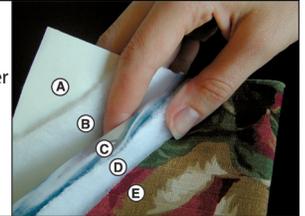




The Smock
Warm Window[®]
 Insulated Shade System

- WARM WINDOW INSULATED LINING
- A - Drapery lining
 - B - High density hollow polyester fiber
 - C - Polyethylene vapor barrier
 - D - Metalized film needled with poly fiber
 - E - Cover fabric



The Smock Warm Window is a quick solution for large drafty windows around the house. The construction lends itself to all kinds of applications including dividing large rooms and sealing off doors to basements or garages that leak cold air. Matching up the Warm Window insulated lining with purchased draperies is a very simple, quick and attractive way to achieve significant energy savings and comfort for your home in both winter and summer months.

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
- Buttoneer[®]

Supplies:

- Decorative Rings
- Warm Window Fabric
- Cover Fabric
- Thread or Steam-A-Seam 1/2" Tape
- Curtain Rod
- Shirring 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 Smock Warm Window shade is constructed using an outside mount. Accurately measuring your window opening and deciding how the shade will operate (for example opening to the right or left side of the window or split down the middle for opening) 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 magnetic 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, floor 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.

Outside Mount

The mounting board is placed above the window opening. The shade extends past the window opening on both sides and the top. It may extend past the bottom or rest on the sill.

Warm Window is the Smart Choice for Style, Comfort and Energy Savings!

Reduce Heat Loss by more than 80%

Reduce Solar Heat Gain Up to 79%

Darken Rooms for Daytime Sleeping

Reduce Noise Pollution from Outside Sources

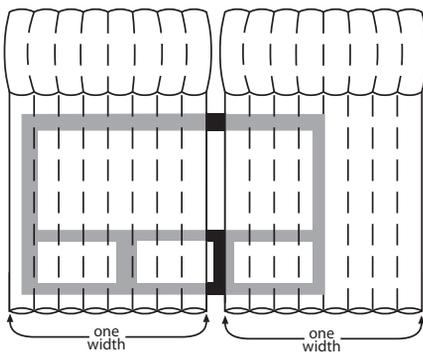
STEP 2 - CUT YOUR FABRICS

The channel lines of the WW fabric run vertically for the Smock Warm Window. The WW fabric is cut to the exact dimensions of your finished drapery. The cover fabric length will be cut to the finished length of your drapery plus 10" for the hems. The cover fabric width is cut 2 times the finished width to create the pleating, gathering effect of draperies and the side hems. Before cutting the cover fabric or the WW fabric iron with a good steam iron to remove shrinkage. Ironing first will make your finished shade hang better as well.

Depending on the size of your finished shade, you may need to piece together the WW fabric or the cover fabric. Two or more widths are easily joined together at the channel lines when covering wider 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 WIDER 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

Starting with the exact dimensions of the finished shade to include all additional length and width. For example if including the magnetic tape edge seal add at least 3/4" past the window opening on the right and left sides - a total of 1 1/2" to the width 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 2 x wider than the finished dimensions of the Smock Warm Window to allow for the pleating. The cover fabric length is cut to exact dimensions of the finished drape plus 10" for a bottom and top hem. Square off the cover fabric using a T-square or the carpenter's square. 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.

"Warm Window makes a **huge difference** in our house during the summers. They make my rooms 10 - 15 degrees cooler **in the summer**. There is a noticeable difference in temperature between the rooms that have Warm Window shades and the ones that don't!"

Janice Robinson, Portland, ME

STEP 3 - CREATE HEMS FOR THE COVER FABRIC

BOTTOM HEM

Sewing Method: Lay the cover fabric front side down. We will turn up 8" of the cover fabric at the bottom of the shade to create the bottom hem using a double fold 4" style hem. Fold the cover fabric up 4" and press setting a crease. Fold up again another 4" doubling it over on itself and iron to create a crease. Pin and stitch down across the top of the hem. Close the sides using a slip stitch.

No Sew Method: Lay the cover fabric front side down. We will turn up 8" of the cover fabric to create the bottom hem using a double fold 4" style hem. Fold the cover fabric up 4" and press setting a crease. Fold up again another 4" doubling it over on itself and iron to create a crease. Unfold exposing the top of the hem. Peel and stick 1/2" Steam-A-Seam 2 across the top of the hem and the sides of the hem. Finger press in place and fuse permanently following the instructions on the Steam-A-Seam 2 packaging.

TOP HEM

Measure from the bottom of you finished hem to the FL at the top of your cover fabric. You should have 2" of excess fabric at the top that will be used to create the top hem. If this is less it may be due to shrinkage when ironing and will be fine. You will fold the excess fabric to the FL of your Smock Warm Window. Press to create a crease. We will sew or fuse the smocking tape in place over the raw edge here.

STEP 4 - ADD SMOCKING TAPE TO COVER FABRIC



Sewing Method: Cut a length of smocking tape equal to the width of the cover fabric. Align the smocking tape across the entire width on the edge of the top hem. Pin and stitch across the top edge making sure to not stitch over the cords in the smocking tape. Stitch along the center cord in the smocking tape the entire width and again along the bottom of the smocking tape. Pull the drawstrings on the smocking tape to the FW plus 3". Secure cords by knotting them.

No-Sew Method: Cut a length of smocking tape equal to the width of the cover fabric. Align the smocking tape across the entire width on the edge of the top hem. Using 1/4" Steam-A-Seam 2 stick a strip across the entire length of the smocking tape at the top removing the paper liner, add another length in the middle of the smocking tape and another across the entire length of the bottom making sure that the Steam-A-Seam 2 does not cover the corded areas. Using an appliqué pressing sheet over the smocking tape fuse in place according to the instructions on the Steam-A-Seam 2 packaging. It is important to use an appliqué pressing sheet for this step as the fusible web may come through the netting of the smock tape onto your iron. Pull the drawstrings on the smocking tape to the FW plus 3". Secure cords by knotting them.

STEP 5 - PREPARE THE WARM WINDOW FABRIC

Sewing Method: Serge or zig-zag stitch the Warm Window fabric across the top and bottom edges.

No Sew Method: Cut a length of coordinating 1" bias tape equal to the entire length of the top edge of the WW fabric. Peel and stick a 1/2" strip of Steam-A-Seam 2 along the entire edge of the WW fabric on one side. Unfold the bias tape and insert the edge of the WW fabric so it is up against the inside of the fold and finger press into place. Place another length of 1/2" Steam-A-Seam 2 along the entire length of the other side of the WW fabric. Fold the other side of the bias tape over this side and iron across both sides of the bias tape along the full length of the top of the WW fabric. Repeat this process for the bottom edge of the WW fabric.

STEP 6 - ATTACH WW TO THE SIDES OF THE SHADE

Sewing Method: Align and pin the WW fabric with the shade right sides together making sure that the WW fabric is slightly below the top of the shade and no more than 1/2" from the sides of the shade. The length of the WW fabric should hit in the middle of the bottom hem about 2" from the bottom edge of the shade. Sew the WW fabric along both sides of the shade. Turn the shade right side out.



No Sew Method: Align the WW fabric right sides together making sure that the WW fabric is slightly below the top of the shade and no more than 1/2" from the sides of the shade. The length of the WW fabric should hit in the middle of the bottom hem about 2" from the bottom edge of the shade. Peel and stick 1/2" Steam-A-Seam 2 along the right and left sides of the shade. Finger press in place and fuse permanently following the instructions on the Steam-A-Seam 2 packaging. Turn the shade right side out.

STEP 7 - EVEN SMOCKING AND FASTEN TO SHADE



Lay the shade WW fabric side down with the top of the shade closest to you. Check the smocking making sure that it is even and the fullness is what you expected. Using the Buttoneer[®] fastening tool (or comparable basting tool) join the WW to the decorator face fabric placing a fastener every 2-3" through all layers. If you do not have access to a Buttoneer[®] tack the WW to the face fabric with needle and thread every 2-3".



Want to make it really easy on yourself while still getting all the benefits of Warm Window? This technique is perfect with ready made curtains and drapes. Use these instructions to add Warm Window Insulated Lining to your favorite styles right out of catalogs or off the shelf!

STEP 8 - PREPARE AND INSTALL

Clip on drapery rings are attached every other channel line across the top of the shade. Mount your choice of drapery rod and slide your Smock Warm Window shade rings over the rod making sure the decorator fabric will face into the room and the WW fabric will face the window.

Warm Window fabric combined with the air tight magnetic edge seal blocks out cold winter drafts and the heat of the sun's rays all summer keeping your home comfortable all year.

Warm Window Fabric Layers



- A Your Choice of Fabric or Quilt Top
- B Metalized Polyester Film needed with hollow air trapping polyester
- C Reflective Polyethylene vapor barrier
- D High Density needed hollow fiber
- E Warm & Dry moisture resistant lining

R-Value Comparison	
Single Glazed Window	R - 1.3
Insulated glass 3/8" Air Space	R - 1.61
Storm Window w/ 3" Air Space	R - 1.78
Warm Window Shade Over Single Glazed Window	R - 7.69

Increase Your R-Value!

R-Value is the thermal resistance of materials to heat flow. The higher the R-Value, the greater the insulating effectiveness. The Warm Window system was independently tested over a single glazed window. The R-Value increased from about R-1 to R-7.69