Installation and Maintenance of:

- ■ **SOUNDSOAK**
- ■ **SOUNDSOAK SCORES**
- ■ **SOUNDSOAK STANZA**
- ■ **WOODWINDS WALL RAIL SYSTEM**
- ■ **ACCESSORIES**

OWENS CORNING ®

INSTALLING SOUNDSOAK

Soundsoak wall panels are attached to an existing wall by means of an internal "H" spline. The base wall is typically drywall or plaster, but can be flat block, brick or concrete. For block, brick or concrete, first apply a polyethylene film to the wall as an airflow and vapor barrier. If the wall surface is irregular, apply horizontal furring strips on 12″ spacings.

Tools and Additional Hardware

You'll need the following tools: utility knife and extra blades, plumb bob or level, drywall square, tape measure. (Some molding cuts may require an electric miter box saw.)
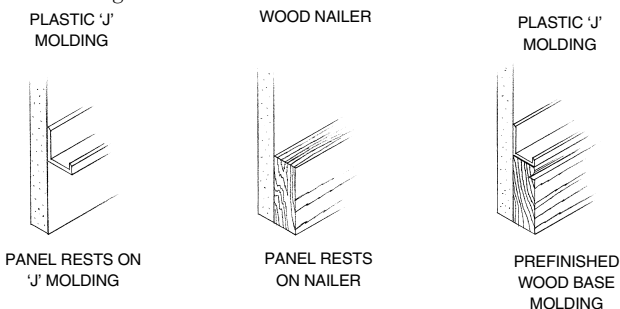
Each carton of Soundsoak contains four panels and four "H" splines. In addition, you'll need #6 x 1-1/4″ bugle head Phillips Hi-Low Screws (drywall and plaster installations), "J" Molding, (see "J" Molding, page 5) for the top, bottom and edges, wood nailer for the bottom, and any other finished trim desired. For block, brick or concrete without furring strips, use appropriate masonry screws.

⚠ Caution

1. Never cut one panel on top of another panel.

2. Anytime the back of a panel is cut or scored for any reason, apply a heavy nonporous tape or foil to reseal the back of the panel to prevent air flow through the panel in these areas. This air flow can cause soiling of the fabric surface.

3. Use clean hands when handling Soundsoak panels to prevent soiling or staining of the fabric surface. Be sure the area in which the Soundsoak is to be applied is clean before installing.

4. Never install Soundsoak above the ceiling line since this can create high air flow through the panel into the ceiling plenum, which can cause soiling of the fabric surface.

STEP-BY-STEP PROCEDURE

1. As shown in the drawings below, the "J" Molding alone may be attached to the wall or a wood base nailer or a combination of both the "J" Molding and a prefinished wood base molding

PLASTIC 'J' MOLDING — PANEL RESTS ON 'J' MOLDING

WOOD NAILER — PANEL RESTS ON NAILER

PLASTIC 'J' MOLDING — PREFINISHED WOOD BASE MOLDING

2. Measure the length of the wall to be covered and calculate equal size panels for each end. Along one side, drop a plumb line or use a level to draw a plumb line according to the size of the first panel. Make several measurements from the plumb line to the wall and transfer to the Soundsoak panel. "See also "Installing Soundsoak Scores."
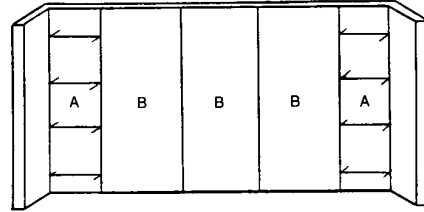
3. With a sharp knife, cut the first panel as marked. If desired, apply "J" Molding to the cut edge.
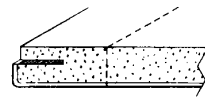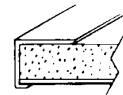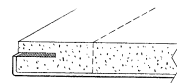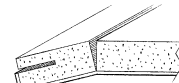

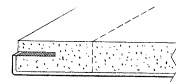CUT   APPLY 'J' MOLDING

The edge can optionally be fabric-wrapped by cutting only the board and not the fabric, trimming the fabric to allow a 2″ flap, and wrapping the fabric over the edge and securing it to the back with adhesive or staples.

MEASURE WIDTH

CUT BOARD AND PEEL OFF SCRAP

MOVE FABRIC BACK ONTO PANEL

APPLY ADHESIVE TO PANEL BACK & WRAP FABRIC AROUND THE BACK.

4. Measure the vertical wall height to be covered and cut the panel to length. Panels can run to the ceiling line or be stopped 1″ to 4″ short to create a decorative reveal. Never install Soundsoak panels above the ceiling line. This can create air flow through the panel into the ceiling plenum causing soiling of the fabric surface.
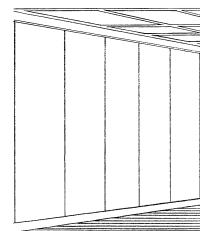

REVEAL
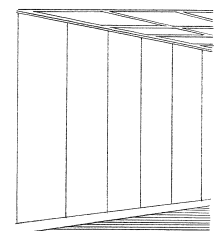
TYPICAL WALL INSTALLATION

5 Apply a strip or globs of panel adhesive* along the back of the leading side of the first panel. Insert the "H" spline into the kerf on the trailing edge of the panel, position on the wall, and attach the spline to the wall using #6 x 1-1/4″ bugle head Phillips Hi-Low Screws (5 to 6 per spline).

DRYWALL

INTERNAL SPLINE

ADHESIVE ON PANEL BACK

PHILLIPS HI-LOW SCREW

SOUNDSOAK PANEL
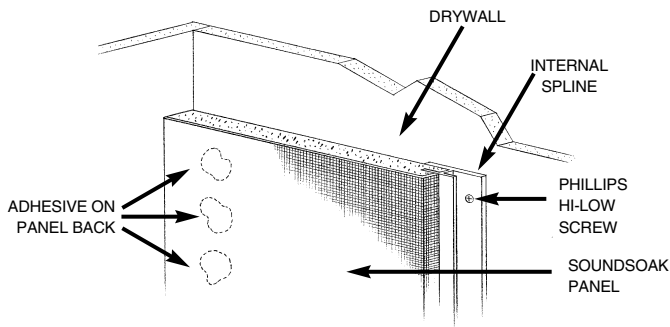
6 Cut the next panel to length and insert the lead edge into the previously attached "H" spline, insert another spline into the trailing edge, and attach to the wall as before. Proceed progressively along the wall as described.

DRYWALL

INTERNAL "H" SPLINE

PHILLIPS HI-LOW SCREW

SOUNDSOAK PANEL
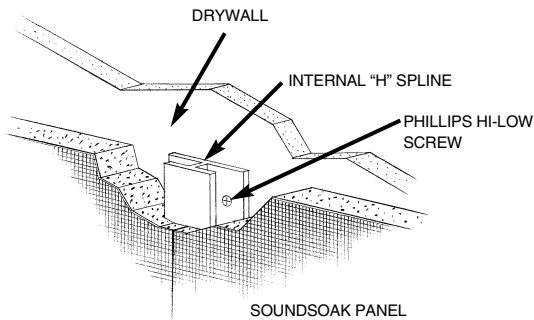
7 When installing Soundsoak around door or window frames, there are two options for handling edge treatment. Use either a "J" Molding or a fabric-wrapped edge as previously described in Step 3. Around receptacles, follow standard electrical codes. Anytime the back of a panel is cut or scored, apply a heavy nonporous tape or foil to reseal the back to prevent air flow through the panel which can cause soiling of the fabric surface.
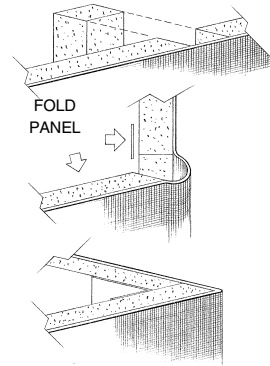
'J' MOLDING

WINDOW OR DOOR FRAME

PANEL FRONT
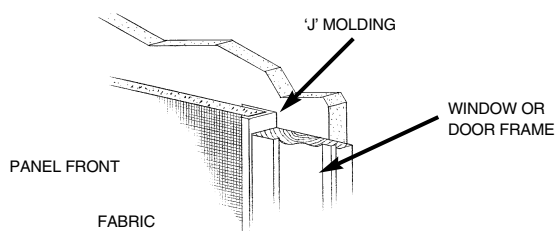
FABRIC

OPTION 1.
BUTT CUT THE BOARD, AND USE A PLASTIC 'J' MOLDING AS A FINISHING PIECE.

OPTION 2.
CUT OUT THE MINERAL SUBSTRATE ONLY. LEAVE 2″ OF FABRIC. WRAP FABRIC TO BACK OF BOARD (SEE STEP 3).

Owens Corning recommends W. W. Henry Adhesive #237.

8 Outside corners can be handled using a corner molding for protection or two fabric edge-wrapped panels as previously described. A continuous-wrapped corner can be created by cutting a square block out of the back of the board without cutting the fabric, then folding the panel as shown. See Impact Corners on page 6.
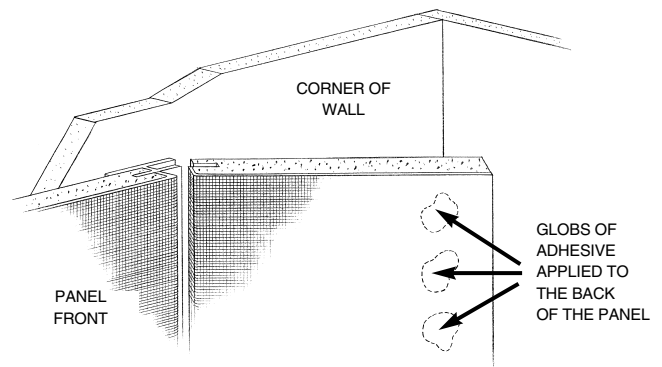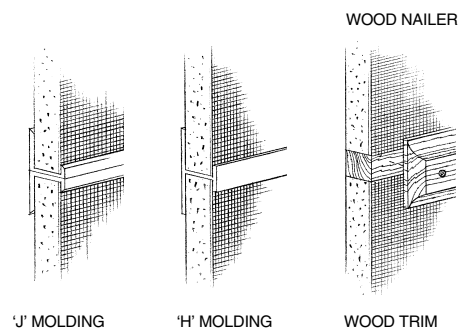
CONTINUOUS-WRAPPED CORNER

TWO FABRIC-WRAPPED BUTTED PANELS

FOLD PANEL
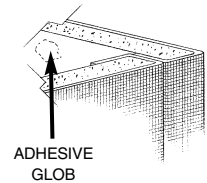
ADHESIVE GLOB

9 Measure for the last panel and cut. Apply a "J" Molding or fabric-wrap the panel as described earlier. Use a strip or globs of panel adhesive* to secure the trailing side of the last panel.

CORNER OF WALL

GLOBS OF ADHESIVE APPLIED TO THE BACK OF THE PANEL

PANEL FRONT

10 When panels are stacked vertically on a wall, use either two "J" Moldings, an "H" Molding, or a wood nailer plus finish trim inserted between the upper and lower panels. (Not recommended for Soundsoak Stanza wall panels.)

WOOD NAILER

'J' MOLDING   'H' MOLDING   WOOD TRIM

2

11 Apply "J" Molding to the top of the panels. Apply any other finish trim desired such as cove molding or wood molding. See section on "Reveal 'J' Molding."
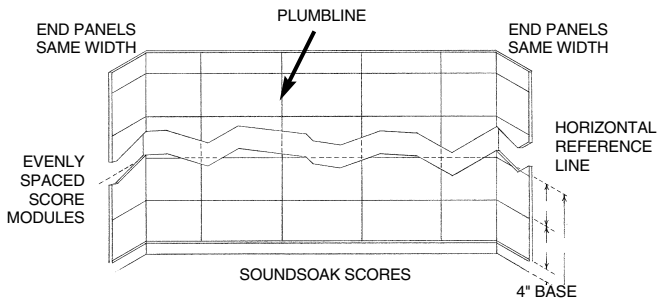
'J' MOLDING
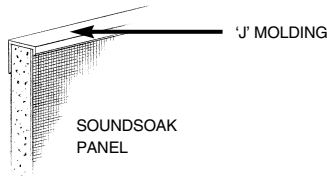
SOUNDSOAK PANEL

INSTALLING SOUNDSOAK SCORES

Soundsoak Scores panels are similar to standard mineral fiber Soundsoak panels. The key difference is that they are horizontally scored to create a modular appearance in the finished installation.
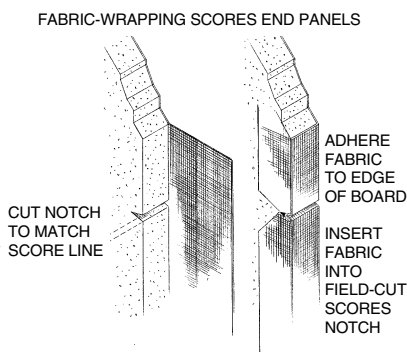
SOUNDSOAK SCORES PANELS ARE MORE FRAGILE THAN STANDARD SOUNDSOAK. HANDLE AS FOLLOWS:

1. Carry the panel by the long edge. Don't pick up or carry panel in flat position.
2. Raise the panel up to the wall for installation. Hold the left side at a different score line than the right side (see diagram arrows).

1 Lay out the full wall installation so that the end panels are the same width and at least half as wide as a full panel.

2 Mark a level line on the wall, preferably at eye level at the elevation of one of the horizontal score lines. Measurements should be taken from this reference line when marking and cutting panels to length.

END PANELS SAME WIDTH

PLUMBLINE

END PANELS SAME WIDTH

EVENLY SPACED SCORE MODULES

HORIZONTAL REFERENCE LINE

SOUNDSOAK SCORES

4" BASE

3 End panels: Before wrapping the fabric flap around the edge of the board, use a utility knife to cut notches that correspond to the groove on the panel face. After the edge is wrapped, the fabric can be tucked into the notches with a putty knife or the back of a utility knife blade.

FABRIC-WRAPPING SCORES END PANELS

CUT NOTCH TO MATCH SCORE LINE

ADHERE FABRIC TO EDGE OF BOARD

INSERT FABRIC INTO FIELD-CUT SCORES NOTCH

4 Shim the panels as needed to maintain alignment of the scores. Some trimming may also be required. Use "J" Molding or other detail to cover the cut edges.

SHIM

'J' MOLDING
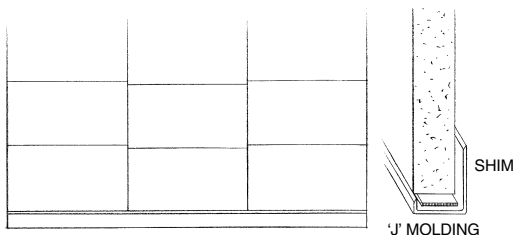
INSTALLING SOUNDSOAK STANZA

Soundsoak Stanza ia a horizontal version of standard Soundsoak and makes use of Soundsoak splines for installation. Instead of two fabric-wrapped edges, Soundsoak Stanza has four edges tightly wrapped in fabric

Follow base and ceiling treatments under Installing Soundsoak, page 1, as well as fabric-wrapping for cut edges.

1. Standard Spline

a. Set the panel in the base "J" Molding and insert the "H" spline, along the kerf.
b. After seating the spline, fasten it to the wall.
c. Place the spacer shim (provided) into the hollow of the spline. (Note: Do <u>not</u> install without the shim.)

Adjustable ¼"–2½"
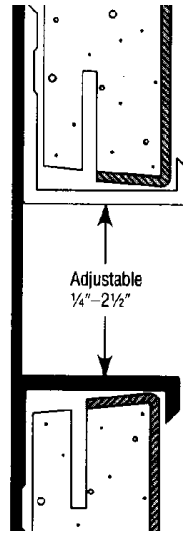
2. Reveal 'J' and 'J' Molding Combination

NOTE: This installation method makes it possible to adjust the reveal. Make a spacer strip the size of the desired reveal to be sure each is consistent.

a. Set the first panel in place on the fine 1/4″ lip base "J" Molding.
b. Insert the Reveal "J" Molding behind the top of the panel. Rest a spacer the size of the desired reveal on the "J" part of the Reveal "J" . Place a "J" Molding on top of the spacer and securely screw through both molding pieces into the wall.
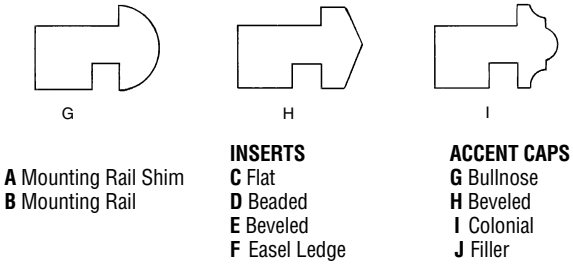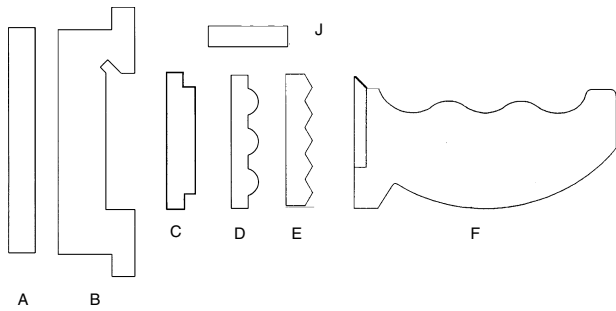c. Set the next panel on the "J" Molding and repeat step b.

NOTE: For installations over a 1-5/8″ reveal, glue the Reveal "J" Molding to the wall.

INSTALLING WOODWINDS WALL RAIL SYSTEM

Woodwinds is a standard hardwood wall rail system designed specifically for use with standard Soundsoak, Soundsoak Scores, Soundsoak Stanza and Soundsoak 85 panels. Used as a chair rail, accent or presentation rail, Woodwinds can create a smooth transition to spaces with no Soundsoak treatment.

Shipped in 8′ lengths, the system includes a variety of inserts and accents you can use to create different wall rail designs.

3

A B

C D E F

G H I

INSERTS
C Flat
D Beaded
E Beveled
F Easel Ledge

ACCENT CAPS
G Bullnose
H Beveled
I Colonial
J Filler

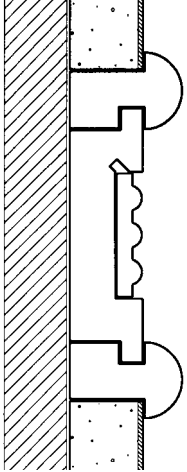**A** Mounting Rail Shim
B Mounting Rail

NOTE: The following examples show Mineral Fiberboard. When installing Fiberglass, you will have to supply a separate 3/8″ shim behind the Mounting Rail to allow for the additional thickness of the panels.

1. Mounting Rail with Insert
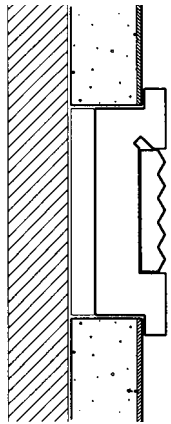
a. Mark a level line on the wall at the desired height of the wall rail. Place the 1/4″ shim (supplied) and mounting rail against the wall. Screw the mounting rail to each stud.
b. Install Soundsoak panels.
c. Install the insert using carpenter's glue.

2. Mounting Rail with Insert and Accent Caps

a. Mark a level line on the wall at the desired height of the wall rail. Screw the mounting rail to each stud.
b. Install the accent cap on the upper lip of the mounting rail. Use a bead of construction adhesive to mount a second accent cap on the lower lip of the mounting rail to hold it in place.
c. Install Soundsoak panels.
d. Install the insert using carpenter's glue.
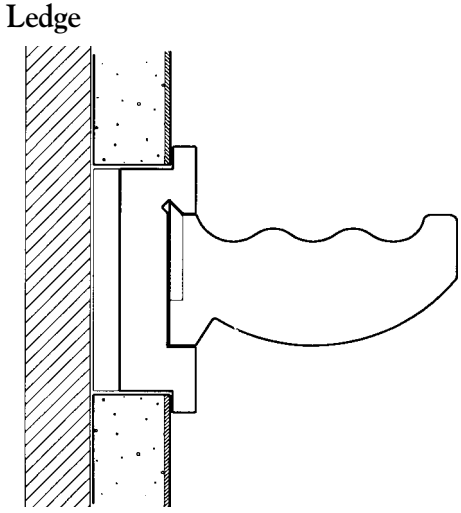
3. Mounting Rail with Easel

Ledge

a. Mark a level line on the wall at the desired height of the wall rail. Place the 1/4″ shim (supplied) and mounting rail against the wall. Screw the mounting rail to each stud.
   NOTE: Be sure the rail is secure before installing the easel ledge.
b. Install Soundsoak panels.
c. Install easel ledge, using the mounting screws and predrilled holes at the bottom lip of the ledge.
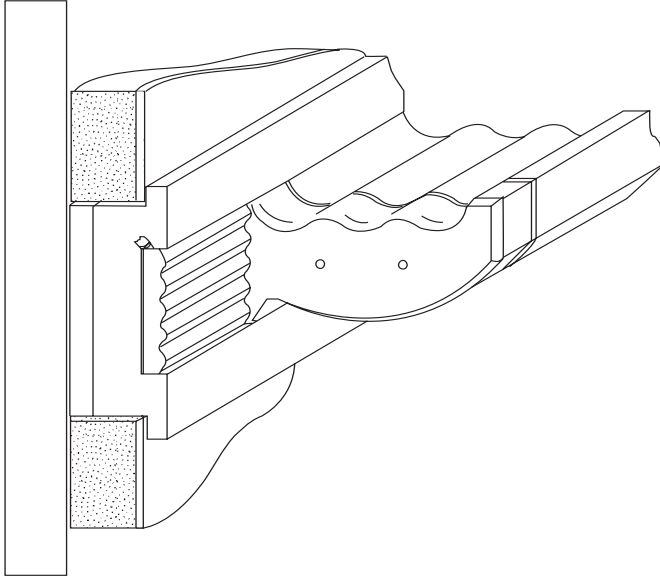
4. Easel Ledge with Return
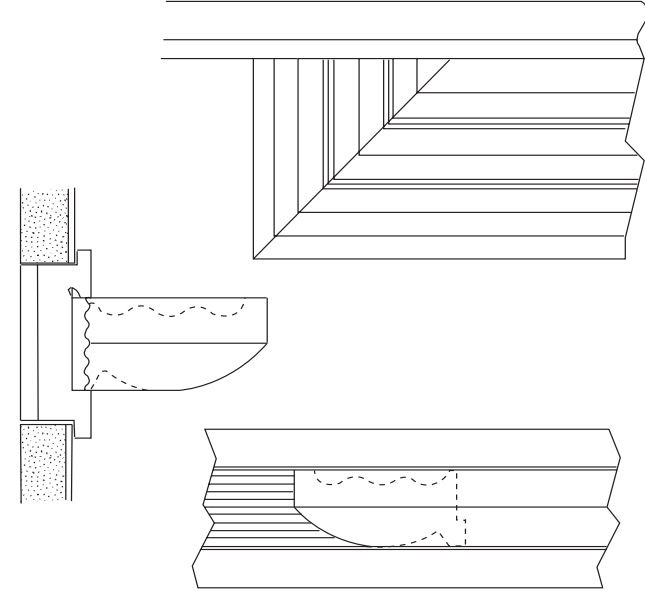
a. Cut easel ledge to desired length and miter the end. Miter a return and nail to the ledge.
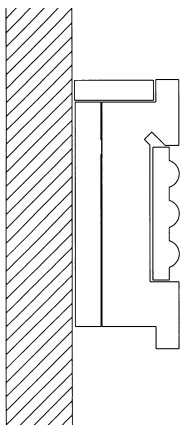b. Cope insert to fit at ledge.

Installing Woodwinds Wall Rail System (cont.)

5. Easel Ledge with Cut Cap End

a. Cut 5/8″ from both prefinished ends of the 8′ easel ledge. Trim ledge to desired length, less 1-1/4″.
b. Attach 5/8″ cut cap ends to both ends of the ledge using carpenter's glue and two small finishing nails.

6. Transition from Soundsoak to Non-Soundsoak Area

a. Insert filler cap in top of mounting rail or accent cap next to the last Soundsoak panel you install. Fasten with carpenter's glue or construction adhesive.
b. A filler cap is optional in the bottom of mounting rail or lower accent cap unless specified.
NOTE: Use mineral spirits to clean excess adhesive from Woodwinds finish. Use carpenter's crayon to fill nail holes and touch up minor finish blemishes created during installation.

⚠ Woodwind Cautions:

Maintain Woodwinds as fine furniture, using furniture dusting spray and a soft, clean cloth.
- **Don't use solvents or abrasive cleaning material on Woodwinds.**
- **Avoid spraying or wiping surface of Soundsoak panels with the dust cloth.**

INSTALLING SOUNDSOAK ACCESSORIES

'J' Molding

Use Soundsoak "J" Molding to cap the edges of Soundsoak panels at top and bottom. "J" Molding also provides a clean look where Soundsoak is cut around doors and window casings or at the end of a run of panels.

Two widths are supplied: nominal 3/4″ for mineral fiber, and nominal 1″ for fiberglass (Soundsoak 85) panels. Both are offered with a 3/8″ lip for easy installation, and come in black, frost gray, sand, grid white and light tone. 3/4″ "J" Molding is also offered with a fine 1/4″ lip (in black only) for use with Reveal "J" Molding.

1 Cut moldings to length using a fine-tooth electric or manual saw. Moldings are offered in 10′ sections.

2 Miter outside corners; inside corners may be butt cut or mitered.

3 Screw "J" Molding to the wall studs. Insert panel edge into the "J" Molding concealed mounting flange.

Reveal 'J' Molding

Use Reveal "J" in place of standard "J" Molding to provide a 2-1/2″ reveal above a mineral fiber Soundsoak installation. You can trim Reveal "J" to show less reveal. Available in black only, Reveal "J" has a 1/4″ lip that is matched by the fine 1/4″ lip "J" Molding. The reveal can be painted with lacquer-based paint.


1 Cut Reveal "J" to length using a power miter saw equipped with a fine-tooth carbide blade. To prevent shattering, be sure to equip the saw with an auxiliary fence to fully support the height of the molding.

2 Trim the reveal as needed by cutting on a table saw or by scoring with a utility knife and snapping off the scrap.

3 Miter outside corners; inside corners may be butt cut or mitered.

4 Insert panel edge into the "J" Molding concealed mounting flange. Use construction adhesive to affix the molding to the wall behind Soundsoak for a tight fit around outside corner joints.

NOTE: To help hide minor imperfections, it's recommended that the wall surface behind the molding be painted black at the joints.
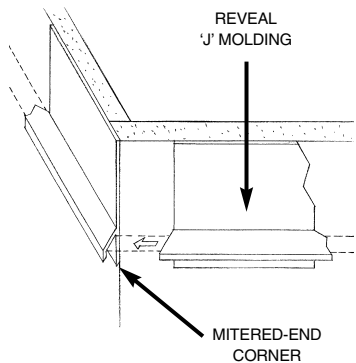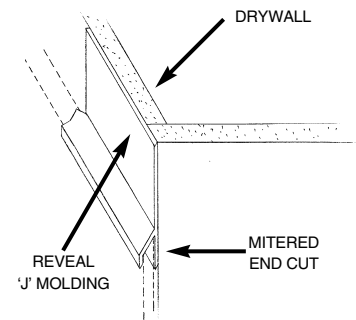
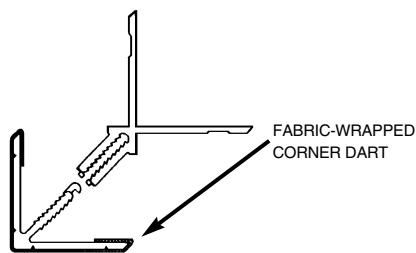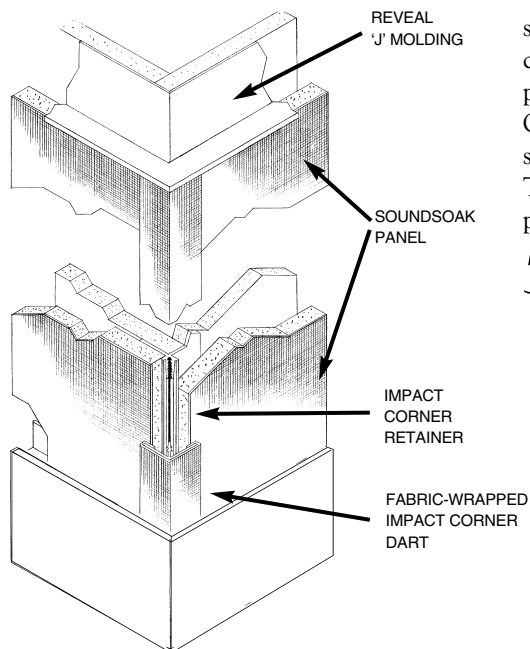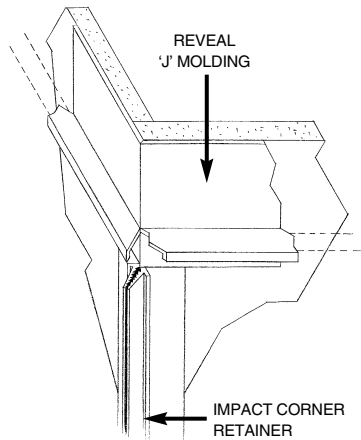## Installing Soundsoak Accessories (cont.)

Impact Corners

The Impact Corner is a two-piece trim designed for use on outside corners of Soundsoak installations.

1 The black retainer should be cut to length and mechanically attached to the wall surface. Ensure that the retainer is straight and plumb on both sides of the corner.

2 The panels should be cut snug to the stops on the retainer to ensure that they do not move after installation.

3 The fabric-wrapped corner dart must be cut to length carefully to avoid fraying. Trim any loose threads before installation.

4 Align the corner dart with the recess on the retainer and drive it in until it is securely seated against the face of the panel

REVEAL 'J' MOLDING

IMPACT CORNER RETAINER

REVEAL 'J' MOLDING

SOUNDSOAK PANEL

IMPACT CORNER RETAINER

FABRIC-WRAPPED IMPACT CORNER DART

FABRIC-WRAPPED CORNER DART

MAINTAINING SOUNDSOAK

1 Routine maintenance of Soundsoak wall panels should include frequent vacuuming to minimize dirt accumulation.

2 A dry or wet carpet shampoo can be used on Soundsoak fabric. A dry shampoo from a spray can is applied to the fabric as a foam and worked into the fabric with a damp sponge. The residue is then vacuumed to remove the foam and dirt. A wet shampoo is a sprayed cleaning agent which foams after it is applied. Work in with a damp sponge, and vacuum to remove residue.

3 To remove stains which do not respond to removal by wet or dry shampoo (oil- or grease-type spots), use a solvent-type cleaner like perchloroethylene. Be sure to have proper ventilation when using these materials. Apply the removal agent to a clean cloth or sponge, not directly to the fabric. Blot the stain, using a twisting and lifting motion toward the center of the spot. Repeat as necessary.

4 Badly soiled Soundsoak panels can be cleaned using a steam cleaning or hot water extraction process. Small residential steam cleaners can be used much in the same manner as cleaning upholstery. However, be very careful not to overwet the panel surface since this can cause fabric delamination. Commercial steam cleaners should use their upholstery tool since this applies only a fine mist and will not overwet the panel. The commercial vacuum should be reduced to about 30 psi to prevent damage to the panel.

5 Vinyl-faced Soundsoak can be cleaned with soapy water, using a sponge or cloth.

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