



Acoustical Surfaces, Inc.

Soundproofing, Acoustics, Noise & Vibration Control Specialists

123 Columbia Court North • Suite 201 • Chaska, MN 55318
 (952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

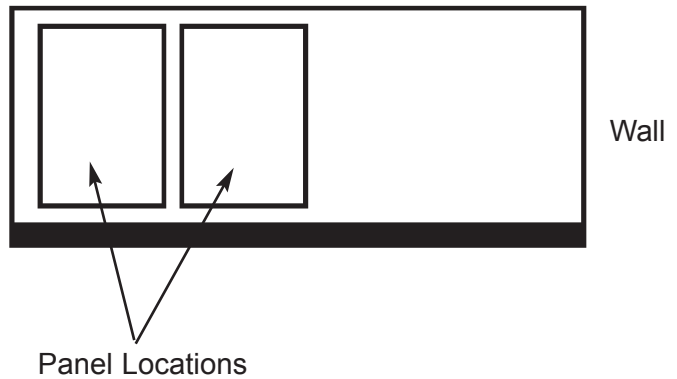
Email: sales@acousticalsurfaces.com
 Visit our Website: www.acousticalsurfaces.com

We Identify and **S.T.O.P.** Your Noise Problems

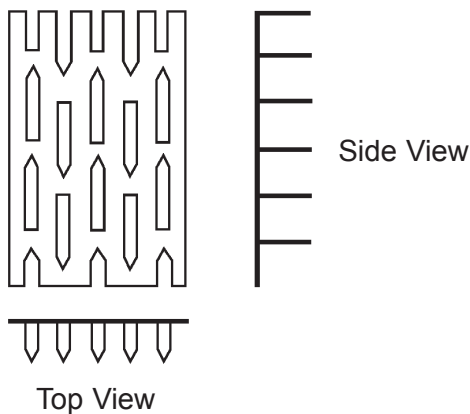
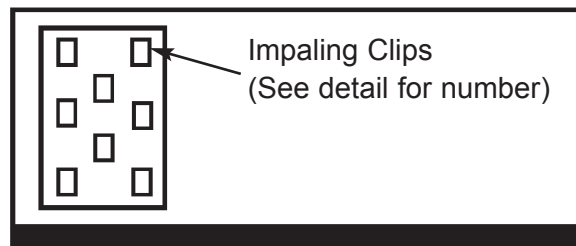
Technical Data – Installation Instructions™

Impaling Clip Mounting – Fabric Covered Fiberglass Panels

1. Layout panel locations. Inspect mounting surface to insure suitability for panel mounting.



2. Secure impaling clips to wall using 2 screws/clip, toggle anchors or nails.



Impaling clips should be applied with long dimension vertically.

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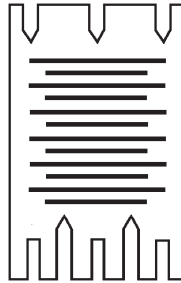
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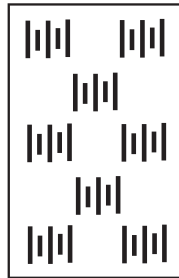
Impaling Clip Mounting – Fabric Covered Fiberglass Panels Cont'd

3. Secure impaling clips to wall using Liquid Nails or Construction Adhesive. Make sure clips have good adhesive bond to wall.



Apply adhesive to clip and smear over entire clip in sufficient thickness to make good contact with the wall. Amount should not be thick enough that it oozes through holes in clip to impede panel mounting.

4. Apply Elmers white glue to back of fiberglass panel at impaling clip locations. Use putty knife to smear glue into fiberglass. To locate glue positions on back of wall panel partially impale panel on clips to create position marks.



After panel has been impaled onto clips the white glue will cure and lock panel onto clips.

5. Align panel on wall plumb and square. Press fiberglass panels onto impaling clips, firmly at each impaling clip location. Use a clean piece of plywood as a push board to distribute pressure on clip. Do not pull panel back as this will loosen the holding power of the clips. Clip locations should clear fabric wrap around on back of panel.
6. If panels have to be removed, remove old clips and relocate new clips in a different location and repeat as indicated in 5.

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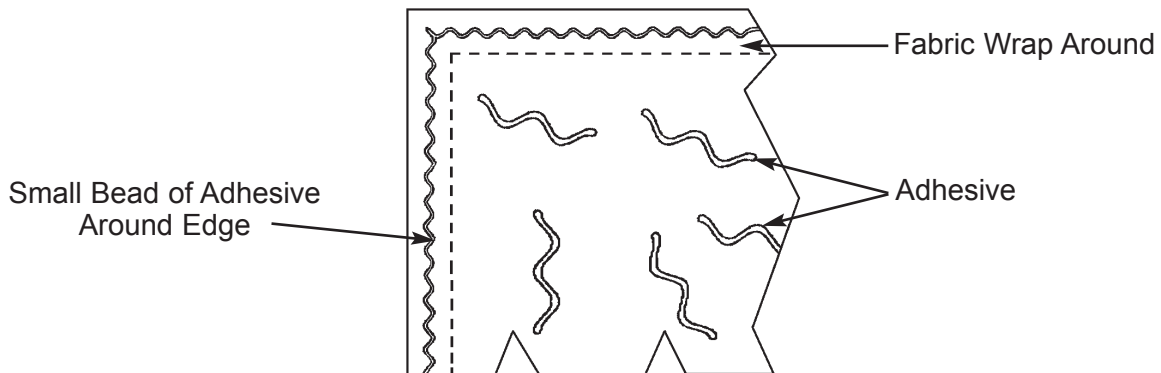
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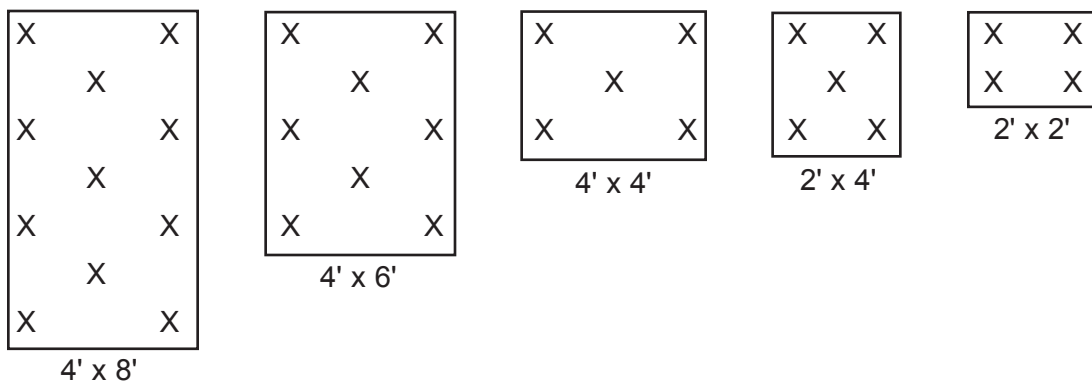
7. If impaling clips are used in conjunction with adhesive – fewer clips can be used. Apply adhesive in a random pattern to back of panel. Press panel firmly on clips and on wall for adhesive to make a good contact.



8. If panels have to be removed, removal will result in a thin layer of fiberglass adhering to the clips on the wall. Upon replacement of panels in another location locate impaling clips in 2 different locations on panel.

NOTE: Acoustical Wall panels rarely have to be removed and relocated as they are normally used to adjust the room acoustics in the room in which they are applied. Panels that are installed as a permanent application are best installed with impaling clips and/or adhesive as a cost effective application.

Number of clips per panel.



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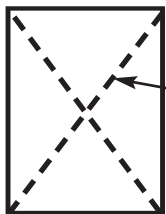
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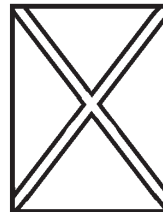
Cutting Panels

Without a doubt, the best knife for cutting fabric covered fiberglass panels is a wooden handled Chicago Cutlery 10" knife. The blade should be slightly sharpened with a medium grit carborundum stone. This produces a very slightly rough edge that could be characterized as a "micro-saw". The stainless steel blade will provide multiple cuts between sharpening and will not fray the fibers. Use sawing action when cutting panel

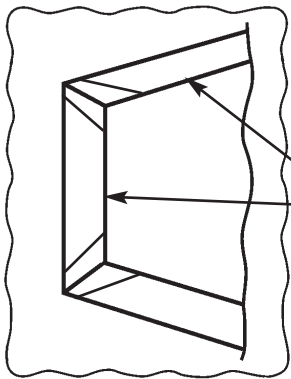
Cutting for Outlets



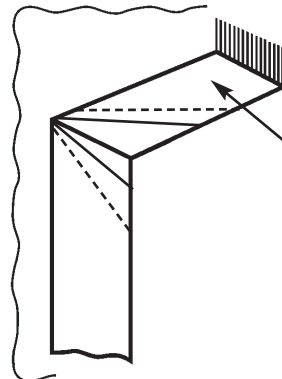
Cut X through panel.



Cut perimeter of box and remove fiberglass.



Wrap fiberglass around back of panel & secure with spray adhesive.



If cut out is exposed adhere small triangular pieces of adhesive in the corners to cover exposed fiberglass.

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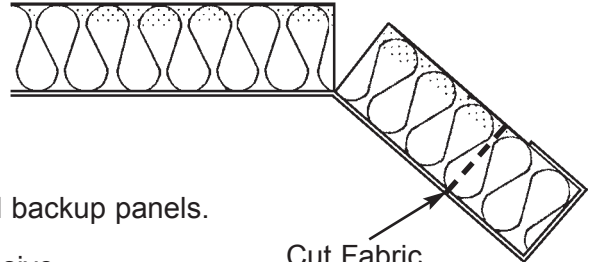
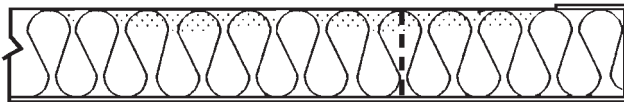
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Cutting a Panel Down for Size in the Field

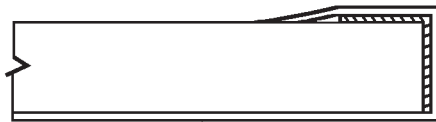


Cut panel from back — do not cut face fabric.

Cut face fabric at location to allow wrap around the edge and backup panels.

Fabric may be wrapped around panel edge using spray adhesive.

If panel edge has to be reinforced a 1" or 2" light steel angle can be used to reinforce the panel edge.



Panel Face

Use fabric wrap around to secure steel angle in place.

For other questions regarding field installation or panel modifications

Call ASI on the HELP-LINE at 1-800-448-0121