

Interior Applications

4–12 mm Panels



**American Fiber
Cement Corporation**

**AIA
Continuing
Education
Provider**

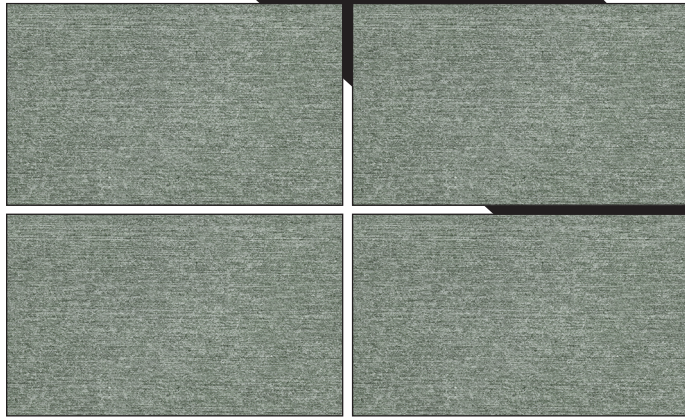


¹ These guidelines represent an abbreviated illustration for proper installation of architectural panels in interior applications. Interior applications are considered to be climate controlled areas where humidity and temperature are regulated in a closed off space. Additional guidelines can be found at www.americanfibercement.com

Note: The online copy of the Installation Guidelines obtained at www.americanfibercement.com supersedes any printed copy.

Panel Joints

Open Joints



For interior applications, panel joints are not necessary but can be utilized to achieve a desired look. The diagrams left and below display the various panel joint options that can be used.

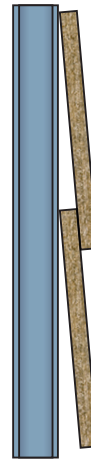
Open joints are not restricted to $\frac{3}{8}$ ". Any dimension can be used. With this design, a black wrap is often put up behind the panels to make the open joints black.

In interior applications, minimal temperature changes will prevent the panels from expanding and contracting. Therefore, it is ok to butt panel edges against one another. However, if the interior space is exposed to moisture and experiences large temperature fluctuations, the panels cannot butt together.

Butt Joints



Lap Siding



Panels can also be installed as lap siding. Vertical joints can be left open or can butt together.

Screw Attachment

For interior applications, high-density fiber cement does not need to be installed in a ventilated rainscreen system. An airspace behind the fiber cement panels is not required. Weather barriers are also not required. Depending on the wall construction, American Fiber Cement Cladding can be installed in one of the following ways using screws (supplied by others) as the method of attachment.

1. Plywood Sheathing

- Sheathing thickness must be $\frac{1}{2}$ " or greater to fasten the panels directly to the sheathing.
- Fasten panels directly to plywood sheathing.
 - Stainless Steel Screws provided by AFCC or others
 - Vertical rivet spacing 16"–24" o.c.
 - Horizontal rivet spacing 16"–24" o.c.

2. Steel/Wood Studs with Interior Sheathing

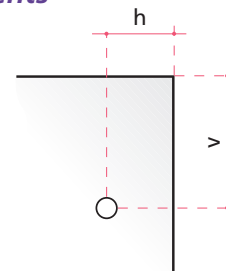
- Fasten horizontal metal strapping spaced at 16"–24" o.c. into the studs.
 - Metal strapping min. thickness is 18-gauge for steel and 1.5mm for aluminum.
- Fasten panels onto horizontal strapping.
 - Stainless Steel Screws provided by others
 - Vertical screw spacing 16"–24" o.c.
 - Horizontal screw spacing 16"–24" o.c.

3. Masonry Wall & Concrete Masonry Unit

- Fasten directly to masonry
- Use masonry screws provided by others

• Edge Distances Requirements

	in.	(mm)
h:	$1\frac{1}{2}$ –6	(40–150)
v:	$2\frac{3}{4}$ –6	(70–150)



• Additional Information

- No gliding points are required. The holes in panel can match the diameter of the fastener.
- Screws cannot be countersunk into panels.
- If the interior space is exposed to moisture and experiences large temperature fluctuations, the panels cannot butt together and gliding points will be required. Contact AFCC for more information.
- If the floor or grade level experiences moisture, keep grade line panels 2" off the floor to keep away from the moisture.

For interior applications, high-density fiber cement does not need to be installed in a ventilated rainscreen system. An airspace behind the fiber cement panels is not required. Weather barriers are also not required. Depending on the wall construction, American Fiber Cement Cladding can be installed in one of the following ways using the Dynamic Bond hidden attachment system supplied by AFCC.

Note: Dynamic Bonding Systems installation instructions must be followed. For interior applications portions of the instructions do not need to be followed and are listed below. The Dynamic Bonding Systems installation instructions can be found at <http://www.americanfibercement.com/installation-instructions/>.



1. Plywood Sheathing

- a. Sheathing thickness must be 1/2" or greater to fasten the panels directly to the sheathing.
- b. Apply Dynamic Protect onto the plywood sheathing in horizontal or vertical rows spaced 16" on center or less. The Dynamic Protect must be applied where the Dynamic Bond glue bead strips will be run.
- c. Follow the Dynamic Bond Installation Instructions.
 - i. Dynamic Clean and Dynamic Tape must be used.
 - ii. Dynamic SI Epoxy does not need to be applied to the back of the fiber cement board for the Cover, Solid or Transparent but is required for Minerit HD and Patina product lines.

2. Steel/Wood Studs with Interior Sheathing

- a. Fasten horizontal metal strapping spaced at 16"–24" o.c. into the studs.
 - i. Metal strapping min. thickness is 18-gauge for steel and 1.5 mm for aluminum.

- b. Use Dynamic Bond to fasten the panels onto the horizontal strapping. Follow the Dynamic Bond Installation Instructions.
 - i. Dynamic Clean and Dynamic Tape must be used.
 - ii. Dynamic SI Epoxy does not need to be applied to the back of the fiber cement board for the Cover, Solid or Transparent but is required for Minerit HD and Patina product lines.

3. Masonry Wall

- a. Apply Dynamic SI Epoxy onto the Masonry wall in horizontal or vertical rows spaced 16" on center or less. The Dynamic SI Epoxy must be applied where the Dynamic Bond glue bead strips will be run.
- b. Follow the Dynamic Bond Installation Instructions.
 - i. Dynamic Clean and Dynamic Tape must be used.
 - ii. Dynamic SI Epoxy does not need to be applied to the back of the fiber cement board for the Cover, Solid or Transparent but is required for Minerit HD and Patina product lines.

4. Concrete Masonry Unit (CMU)

- a. Fasten vertical or horizontal metal strapping spaced at 16" o.c. into the CMU.
 - i. Metal strapping min. thickness is 18-gauge for steel and 1.5mm for aluminum.
- b. Use Dynamic Bond to fasten the panels onto the horizontal strapping. Follow the Dynamic Bond Installation Instructions.
 - i. Dynamic Clean and Dynamic Tape must be used.
 - ii. Dynamic SI Epoxy does not need to be applied to the back of the fiber cement board for the Cover, Solid or Transparent but is required for Minerit HD and Patina product lines.





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