



R-Wall™ INSTALLATION INSTRUCTIONS

Wall Preparation:

1. Remove concrete flash from interior wall surfaces to provide a level substrate for R-Wall™ attachment.
2. Install 2" x 2" dimensional lumber nail edge around perimeter of window and door rough openings, unless otherwise specified by local/state code.

NOTE: Nail edge may be built-up to accommodate insulation thicknesses in excess of 1 ½".

R-Wall™ Attachment:

Thread Fasteners: Use 3/16" diameter fasteners of a length that provide a minimum of 1 ¼" penetration in masonry wall.

Shot/Pin Fasteners: Use a pin fastener that is ½" longer than the thickness of the R-Wall™ panel being installed. In most cases, a "green" charge will be sufficient to drive pin. Shoot first pin and adjust power setting as necessary to fully drive pin without noticeably distorting metal fastening strip. If sufficient pin penetration cannot be achieved with the "green" charge, a "yellow" or stronger charge may be required.

Grid-Master®: For use on block walls only. Use the new 2" length, 0.120 diameter pin without the washer disk. Grid-Master is a registered trademark of ITW Buildex and Illinois Tool Works, Inc.

Mounting Electrical Boxes:

Method #1: Identify location of box on R-Wall™ panel, trace an outline of box and cut out using a hot knife, reciprocating saw or other suitable method. Install panel per instructions, insert box into void and secure box to masonry wall with Tapcon® fasteners.

Method #2: Identify location of electrical boxes on masonry wall and secure using Tapcon® fasteners. Install 2" x 2" dimensional lumber nail edge around the perimeter of box.

Note: Nail edge may be built-up to accommodate installation thicknesses in excess of 1 ½".

Creating Wire Chases: Mark/visualize the location of wire chases on R-Wall™ panel. Cut wire chases using a hot knife, router or other suitable method.

Drywall Fasteners/Corners:

Fasteners: Fine thread drywall screws are recommended for use with R-Wall™.

Corners: When preparing interior corners for finishing, you may use metal, tape or formed paper corner strips. When preparing exterior corners for finishing, use only tape or formed paper corners.

Vertical Installation:

1. Always begin installation of R-Wall™ panels at a corner. Using a circular saw, rip R-Wall™ panels to replicate corner detail(s) provided.
2. Pre-cut panels as needed to fit window and door openings, electrical boxes, etc., prior to installation.
3. Hold first corner panel in place and align (plumb) using a level along the 8' edge. Install a single fastener (Tapcon® or shot pin) at the top of metal fastening strip closest to corner.
4. Verify that panel remains properly aligned (adjust if necessary) and complete installation of fasteners at 24" intervals through metal fastening strips.
5. Hold second corner panel in place and repeat steps 2 and 3 to form a finished corner.
6. Butt consecutive panels along 8' edge and secure at 24" intervals through metal fastening strips.
7. Cut last panel to fit, creating an interior or exterior corner to complete wall run.
8. Continue installation process until walls are completely covered.
9. Tape all joints using R-Wall™ Sheathing Tape.

Horizontal Installation:

Note: When installing R-Wall™ in a horizontal alignment it is necessary that the top and bottom metal fastening strips are installed within 3" of the floor and ceiling.