



CEILING SYSTEMS

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EFFECTS™ Wood Looks Trim – Installation Instructions

1. GENERAL

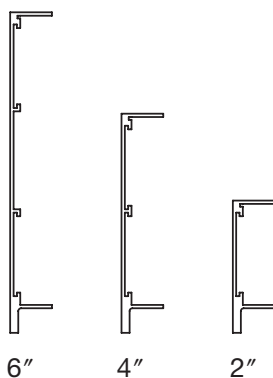
1.1 Description

Effects trim is a unique trim system designed specifically for use with Effects Wood Looks Tegular and Vector™ ceiling panels from Armstrong. It is designed for full panel installations, but may also be used for field cut border panels.

The finned edge on the Effects trim duplicates the 1/4" panel reveal at the edges of Effects Vector installation. This option is for full panel installations only.

The flat edge on the Effects trim is used for Tegular full panel installations and must be used for all cut Tegular and Vector panels.

Three profile heights are available. 2" Effects PT with a nominal 2" profile height, 4" Effects PT with a nominal 4" profile height, and 6" Effects PT with a nominal 6" profile height.



Effects trim profiles

Effects trim comes in straight sections and can be field cut or mitered using a power miter saw equipped with a blade designed to cut aluminum.

Effects Vector panels install on 15/16" wide T-Bar grid and Effects Tegular panels install on 9/16" wide grid.

These instructions are divided into four sections detailing material delivery, component assembly, installation and final detailing. Please carefully review all appropriate sections for your Effects ceiling panel type (i.e. Vector or Tegular) before proceeding with installation.

2. MATERIAL DELIVERY

Effects trim components and hardware are delivered to the job site in specially designed packaging. Exercise appropriate care to protect the finished surfaces of the trim.

3. COMPONENT ASSEMBLY

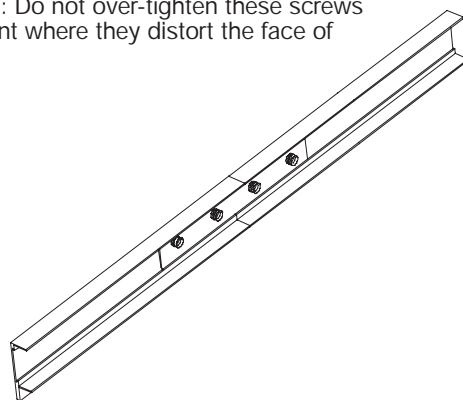
3.1 Splice Plates

Steel splice plates are used to align and secure all joints between sections of Effects trim. The two-inch high profile will require one FXSPLICE plate at each joint. Four and six inch high profiles require two FXSPLICE plates at each joint. Splice plates are secured to the trim sections using factory-installed set screws. Where desired, it may be beneficial to caulk or tape the backside of the joints to prevent light transmission.

Typical procedure:

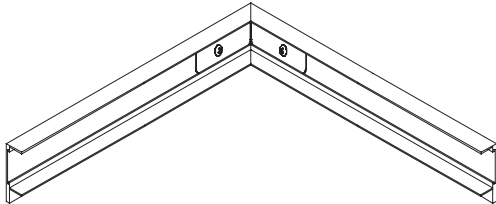
- 3.1.1 Position the splice plate in the bosses on the inside of the trim.
- 3.1.2 Pull the Effects trim tightly together for the best fit.
- 3.1.3 Use a 1/8" hex key wrench to tighten the set screws that secure splice to trim.

CAUTION: Do not over-tighten these screws to the point where they distort the face of the trim.



3.2 Corner Assembly

- 3.2.1 Effects trim can be field mitered using a power miter saw equipped with a blade designed to cut aluminum.
- 3.2.2 Bend the FXSPLICE splice plate at the center notches to form the desired angle.
- 3.2.3 Position the mitered corner for correct alignment and tighten the two setscrews on the FXSPLICE plate.



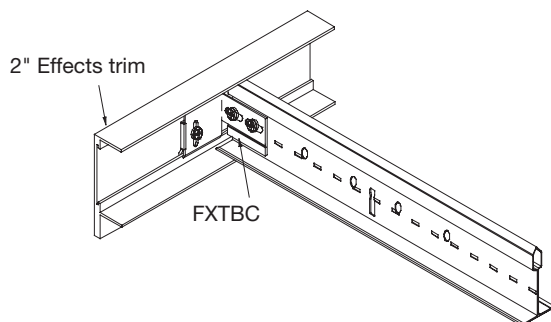
Effects T-Bar Connector Clips

T-Bar Connector Clips are used to attach the Effects trim to the supporting suspension system members. These two-piece clips are supplied as an assembled unit with the steel locking screw factory installed. One clip is required at each location where the grid system intersects the trim.

T-Bar Connector Clips are attached to the grid members using screws supplied by the installer. Framing screws (#6 x 7/16" or 1/2" lg.) are typical.

Typical procedure:

- 3.3.1 Cut grid to length
- 3.3.2 Attach clip to grid member
- 3.3.3 Engage clip in lower trim bosses and tighten locking screw



3.3

4. GENERAL INSTALLATION PROCEDURES

4.1

Lay out and install the suspension system according to the reflected ceiling plan.

Effects trim works with Effects Tegular and Vector panels. Installation procedures will be described separately for each type of panel.

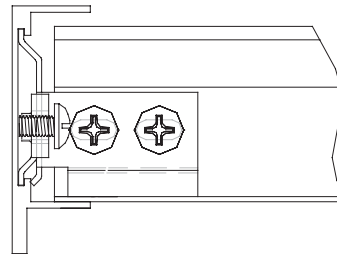
4.2 Effects Wood Looks VECTOR Full Panels

- 4.2.1 Cut and install the grid to maintain precisely 23-1/16" between the outer edge of the 15/16" T-bar grid and the inner edge of the Effects trim. The grid must rest approximately 1/4" to 3/8" on the trim flange.

- 4.2.2 The correct length for the Effects trim, when measured along the inside edge, will be 15/16" less than the nominal dimension of the full panel installation.

EXAMPLE: The nominal dimension of a four panel wide cloud would be 96". The Effects trim should be cut to 95-1/16" measured along the inside edge.

- 4.2.3 Attach the Effects T-Bar Connector Clips (FXTBC) to each perimeter section of grid. Rest the bottom of the FXTBC on the grid flange. Insert one #7 x 7/16" framing screw (or equivalent) in the middle of the slot.



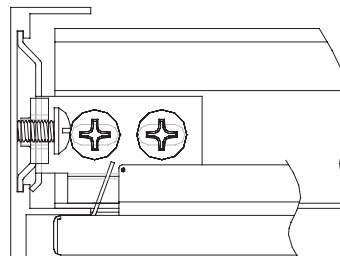
4.2.4 Install the Effects trim

Hang the sections of trim with fin side down for Vector, onto the grid system by engaging the top ear of the connector clips under the boss of the trim. Slide the back plate downward to engage the lower boss on the trim and secure by tightening the locking screw.

- 4.2.4.1 Complete the installation of all trim sections. Install and secure the splices.

- 4.2.4.2 Make adjustments as necessary to properly align and space the complete installation. Insert a second framing screw in each of the FXTBC's to secure the system.

- 4.2.5 Install the Effects Vector panels as per instructions. The bottom of the Vector panel will be flush with the trim fin and maintain the 1/4" reveal along the perimeter.



Note – Never install the Effects Vector panel spring edge against the trim. The spring edge should always be engaged to grid.

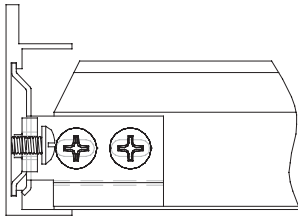
4.3 Effects Wood Looks TEGULAR Full Panels

4.3.1 Cut and install the grid to maintain precisely 23-7/16" between the outer edge of the 9/16" grid and the inner edge of the Effects trim. The grid must rest approximately 1/4" on the trim flange.

4.3.2 The correct length for the Effects trim, when measured along the inside edge, will be 9/16" less than the nominal dimension of the full panel installation.

EXAMPLE: The nominal dimension of a four panel wide cloud would be 96". The Effects trim should be cut to 95-7/16" measured along the inside edge.

4.3.3 Attach the Effects T-Bar Connector Clips (FXTBC) to each perimeter section of grid. Rest the bottom of the FXTBC on the grid flange. Insert one #7 x 7/16" framing screw (or equivalent) in the middle of the slot.



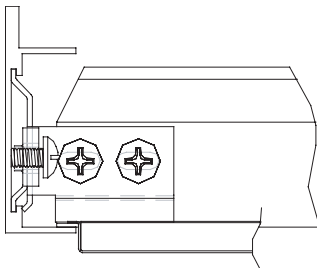
4.3.4 Install the Effects trim

Hang the sections of trim with the flat side down for Tegal, onto the grid system by engaging the top ear of the connection clips under the boss of the trim. Slide the back plate downward to engage the lower boss on the trim and secure by tightening the locking screw.

4.3.4.1 Complete the installation of all trim sections. Install and secure the splices.

4.3.4.2 Make adjustments as necessary to properly align and space the complete installation. Insert a second framing screw in each of the FXTBC's to secure the system.

4.3.5 Install the Effects Tegal panels as per instructions.



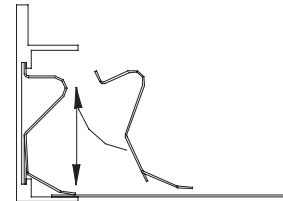
Note – The screws in the FXTBC may interfere with the insertion of the panel along the trim. Fit the panel edge into the grid at the sides and slide the panel back under the screws until the panel drops into the grid.

4.4 Effects Wood Looks CUT Border Panels

4.4.1 The cut edge of all Effects panels must rest on the trim flange. All installations with cut borders will have the Effects trim installed with the flat side down.

4.4.1.1 Trim hold-down clips

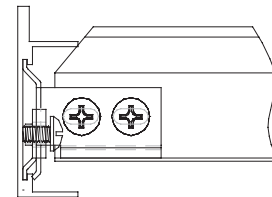
Effects trim hold-down clips (FXSPTHDC, 10 pcs/ctn) are an available accessory and must be ordered separately for cut border installations. Effects trim hold-down clips are used to secure the cut edges of Vector and Tegal metal ceiling panels. Insert one clip for every foot of trim, or as needed to maintain contact between the panel edge and trim flange. Insert the top of the clip into the trim first. Press up to compress the clip and insert the bottom leg into the trim.



FXSPTHDC
Hold-down clip

4.4.2 Effects Vector CUT Border Panels

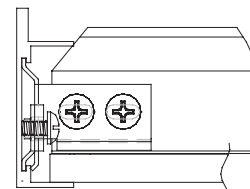
The face of Effects Vector panels is 3/8" below the face of the grid. Since the cut panel edge must rest on the trim flange, the grid must be raised 3/8" above the trim flange. To do this, you must use the optional Effects Vector T-bar Connector Clip (FXVTBC, 10 pcs/ctn) ordered separately for cut border installations. A clip is required for each end of grid attached to the trim.



Use FXVTBC to raise grid 3/8",
rest clip on grid flange

Lay out and cut the grid 1/4" larger than the required border size. Install the FXVTBC with the clip resting on the grid flange for the proper 3/8" clearance. Insert one #7 x 7/16" framing screw (or equivalent) in the middle of the slot.

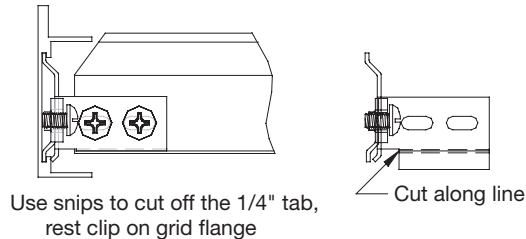
Install the trim using same method as full panel installation. Follow the installation instructions for Effects Vector panels. Install hold-down clip FXSPTHDC as required.



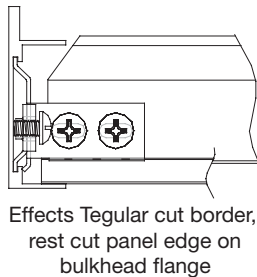
Effects Vector cut border,
rest cut panel edge on
bulkhead flange

4.4.3 Effects Tegular CUT Border Panels

The face of Effects Tegular panels is 1/4" below the face of the grid. Since the cut panel edge must rest on the trim flange, the grid must be raised 1/4" above the trim flange. To do this, you must modify the Effects T-bar Connector Clip (FXTBC). Use snips to cut off the 1/4" tab at the bottom of the clip. A clip is required for each end of grid attached to the trim.



Lay out and cut the grid 1/4" larger than the required border size. Install the modified FXTBC with the clip resting on the grid flange for the proper 1/4" clearance. Insert one #7 x 7/16" framing screw (or equivalent) in the middle of the slot. Install the trim using same method as full panel installation. Follow the installation instructions for Effects Tegular panels. Install hold-down clip FXSPTHDC as required.



4.5.2 Main beams must be supported 4' on center or by calculation based on actual ceiling weight.

4.5.3 Cross tees located closest to the corners of the trim and then at 4' centers must be supported by wires closer to the trim than the midpoint of the tee.

4.5.4 Installations in areas requiring seismic restraint may require wires attached to each grid member within 8" of the cut end. Lateral force bracing shall be consistent with locally approved standards or as detailed in the specifications.

5. FINAL DETAILING

5.1

Check and adjust the alignment of Effects trim components and ceiling panels.

5.2

Clean exposed surfaces as required. Effects trim and panels may be wiped down with a mild household cleaner to remove fingerprints, oil, etc.

5.3

For light cove applications, a dark latex chalk or tape should be applied to the inside of all seams if light leaks are apparent.

4.5 Add additional hanger wires as required.

4.5.1 The manufacturer requires that Effects trim and their supporting suspension systems be installed and supported in a manner that complies with all applicable codes and standards. Typically this will require the use of #12 Ga. Galvanized, soft annealed steel wire or equivalent. Specification and approval of alternate materials should be by design professionals familiar with the project. Mechanics should exercise care in the application of hangers to minimize the visual impact on the finished installation. Wire wraps should be tight and neat, and where appropriate, the wires may be painted to blend into the background as much as possible.

MORE INFORMATION

For more information, or for an Armstrong representative, call 1 877 276 7876.

For complete technical information, detail drawings, CAD design assistance, installation information and many other technical services, call TechLine™ services at 1 877 276 7876 or FAX 1-800-572-TECH.

For the latest product selection and specification data, visit www.armstrongceilings.com/metalworks