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Eurospan Ceiling install guide

Tools

- ▶ Safety glasses
- ▶ Miter saw
(min. 80 tooth blade, reversed)
- ▶ Measuring tape
- ▶ Step ladder (to reach ceiling)
- ▶ Pneumatic stapler
- ▶ Scissors
- ▶ Cotton gloves (provided)
- ▶ Long bladed utility knife
- ▶ Dust mask
- ▶ Eurospan Tuck Tool (provided)
- ▶ Oscillating tool
(fine tooth multipurpose blade)
- ▶ 120 grit sandpaper

Materials

- ▶ Eurospan® Ceiling Fabric
- ▶ Fabric retaining track
- ▶ Acoustical core
- ▶ **For track:** 1 1/4" coarse-thread deck screws or
3/8" crown 3/4"-1" long 18 gauge wire staples
- ▶ **For core:** Surface-dependent screws
(yellow zinc preferred)
- ▶ Almond colored caulk (recommended)



Scan for
technical
drawings

[conwed.com/
details-eurospan-c](http://conwed.com/details-eurospan-c)

General overview

Full details in following pages

Page 4 ▶ Dimensions and installing track

Page 5 ▶ Setting penetration height

Page 5 ▶ Installing core

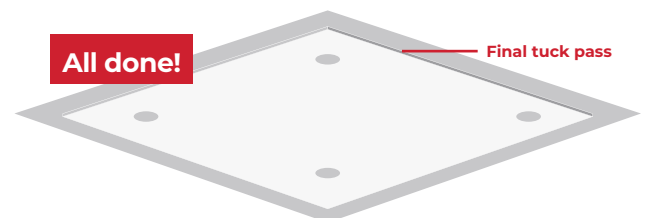
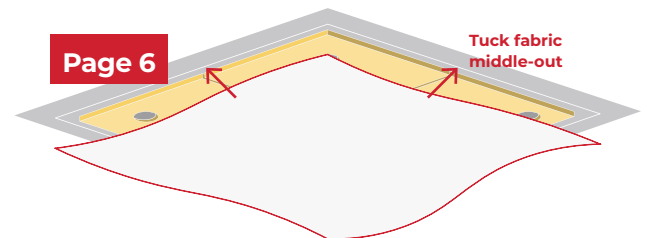
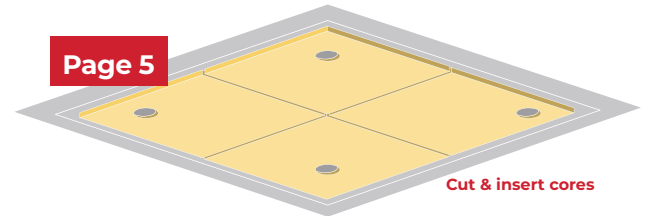
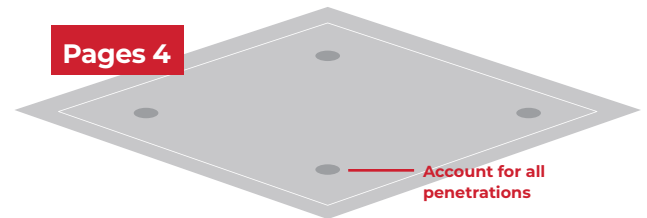
Page 6 ▶ Installing fabric

Page 7 ▶ Finishing penetrations

Page 8–9 ▶ Special uses of track

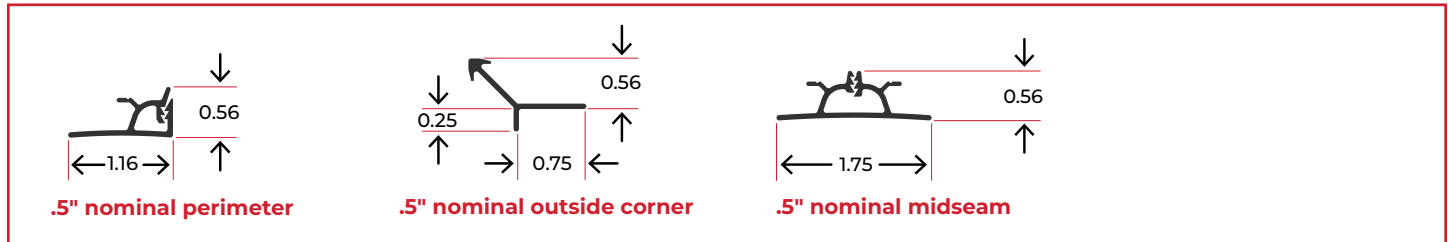
Product handling & storage

- Clean white gloves must be used whenever handling panels.
- Store panels on a flat, dry, solid surface. Do not store on edge.
- Keep panels dry, clean and free from dust and damage.

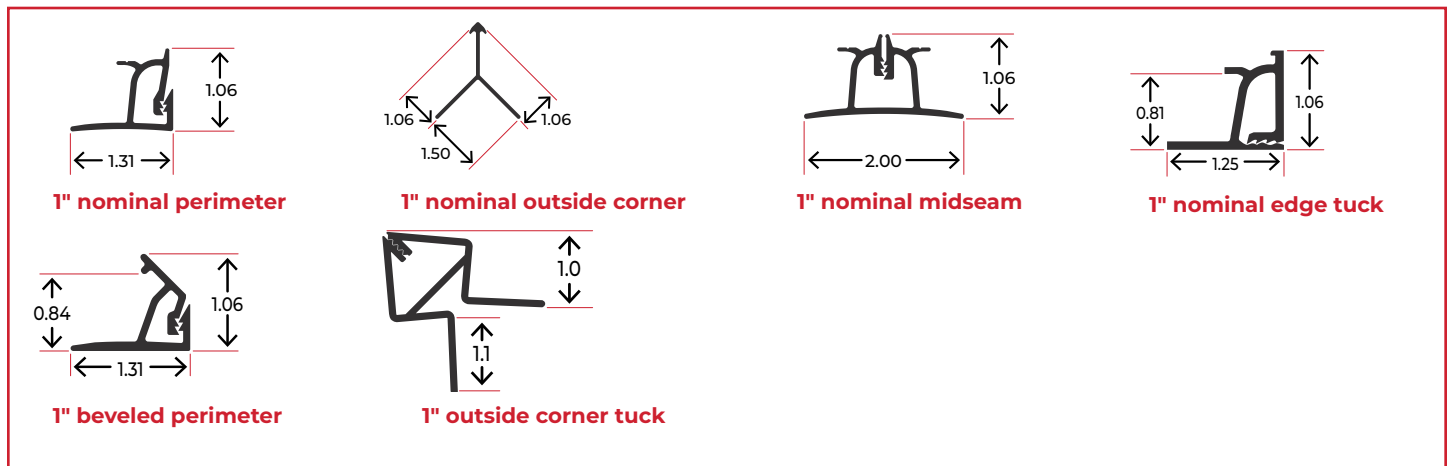


Eurospan track profiles

.5" profiles

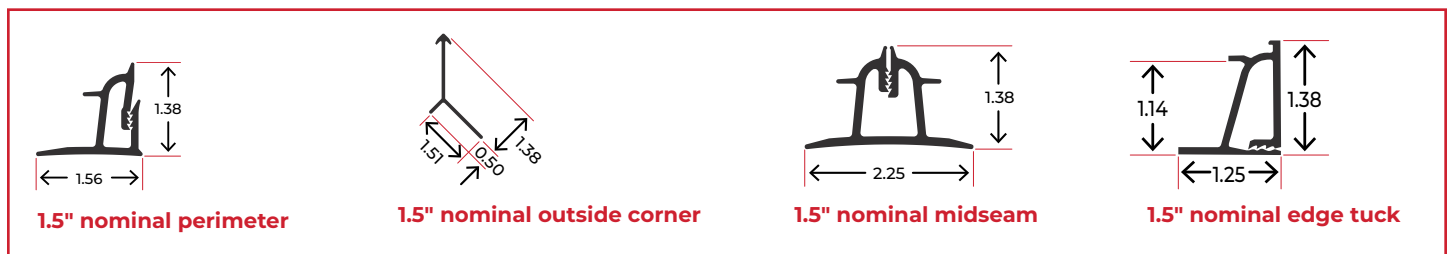


1" profiles



1.5" profiles

Recommended for ceiling



2" profiles

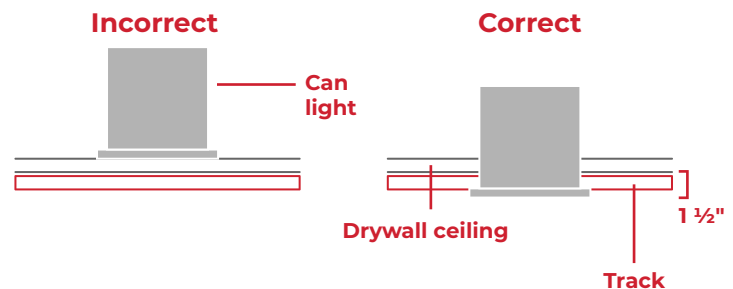


Planning the install

- ▶ The basic procedure of installing Eurospan is always the same. Install track, insert cores, tuck the fabric. However, each project has unique variables to consider while planning. Below is a list of situations to consider and plan for.
 - ▶ What decking is available to fasten to?
 - ▶ Are there any immovable obstacles on the surface?
 - ▶ Are penetrations present, such as lights or diffusers?
 - ▶ Is the surface sloped or curved?
 - ▶ Will the roll of fabric be wide enough to cover the surface in one piece?
 - ▶ Are there any inside or outside corners?

Setting level of penetrations

- ▶ Penetrations, such as light and smoke detectors, need to be brought down so that their finished trim level is flush with the finished height of the fabric once taught. Generally, ceiling penetrations need to be dropped down 1 ½" below the existing ceiling.
 - ▶ **Note:** Carefully track the location of penetrations. They will need to be carefully cut out AFTER installing all fabric.
 - ▶ **Note:** On large installs, the finished height of the fabric will vary slightly from the edges to the center due to gravity. Use adjustable-height fixtures where possible, or individually furr out each penetration to account for any additional drop in the fabric.



Installing track on an existing drywall ceiling

1. Choose one corner of the room to start installing the perimeter track. Make a 45° miter cut on the first track piece and place firmly against the wall and ceiling making sure the fabric retaining channel is next to the wall. Using 1 ¼" screws attach the track to the ceiling every 2 to 3 inches or staple it every ¾ to 1 inches.
 - ▶ **Note:** It is extremely important not to exceed the required spacing so that the track does not bend under tension from the fabric. This will result in an uneven reveal line next to the wall on the finished ceiling.
 - ▶ **Recommended:** Reversing the blade helps prevent chipping. Fine tooth blades should be used.

If no drywall ceiling ▶

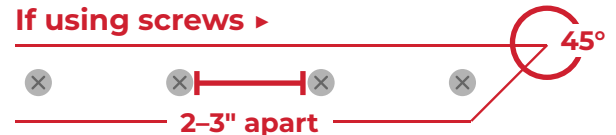
Furring strip can be used to prep a ceiling with an existing open joist ceiling in lieu of an existing gypsum board ceiling. Coordinate all penetration drop distance off the track base down to fabric finish height of 1 ½".

- ▶ If furring strips are used, install additional strips for the acoustic cores to secure to as well, up to 24" on center.
- ▶ See "Installing the acoustic core" below.

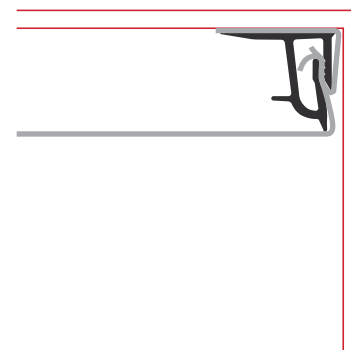
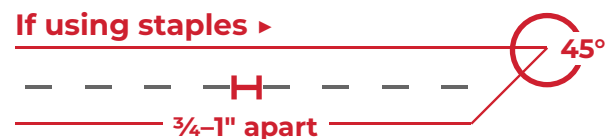
Is your install wrapping around corners, transitioning planes, or bending? See "Special uses of different track profiles" on page 5 to plan your install before moving on.

Step 1

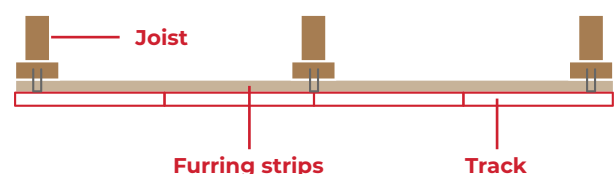
If using screws ▶



If using staples ▶



If no drywall ceiling



- ▶ **Project requires mid-seams?**
Read step 3 before continuing.
- ▶ **Project requires finished exposed edges?**
Read page 10 before continuing.

2. Butt and align the next piece of track to the first to create a smooth joint transition, again making sure the fabric retaining channel is next to the wall, and attach to the ceiling. The track sections need to be completely and tightly aligned with each other to provide a seamless finish. Continue this process around the perimeter of the ceiling making miter cuts at each corner.

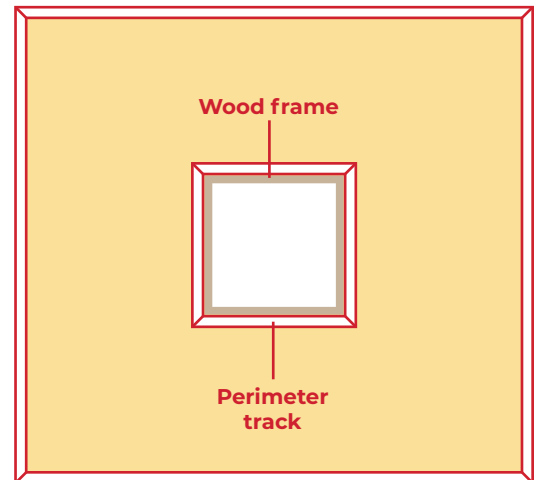
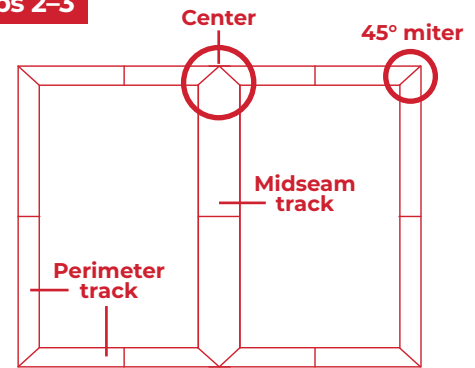
- ▶ **IMPORTANT! It is crucial to align the fabric-retention tips of the track. Misalignment of these tips WILL be visible once fabric is installed.**



3. If mid-seams are needed, there are two options for installing them.

- ▶ First install only the perimeter track needed for the job, then go back and mark the center points where mid-seams are needed. Using an oscillating tool, cut a 45° miter on either side of the center point. Cut the mid-seam track to fit, and install as usual. See diagram for cut lines.
- ▶ Install perimeter tracks as needed, up until the mid-seams. Cut your perimeter track with a 45° miter, install your mid-seam track, then miter your next perimeter track and continue. See diagram for cut lines.

Steps 2-3



Special uses of different track profiles

Rectangles and circles larger than 8"

▶ Option 1

The fabric can be stapled to a wood frame built around the penetration opening at the finished height of the fabric, and finished with the penetration standard trim. Escutcheon or trim should completely cover wood frame.

▶ Option 2

Or the perimeter/ top load track can be installed around the penetration opening to hold the fabric in place at the finished height. See the special situations section [PAGE NUMBER] for instructions on bending the track if needed.

Inside corners

▶ Mid-seam track

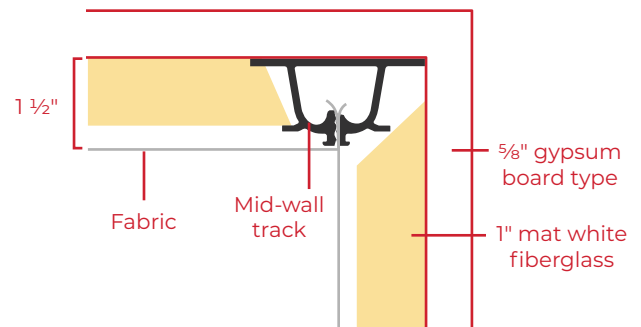
Inside corners can be created using mid-seam tracks to accommodate vertical ceiling sections, beams, and duct work. Simply cut acoustical cores edges appropriately to fit into the track.

Outside corners

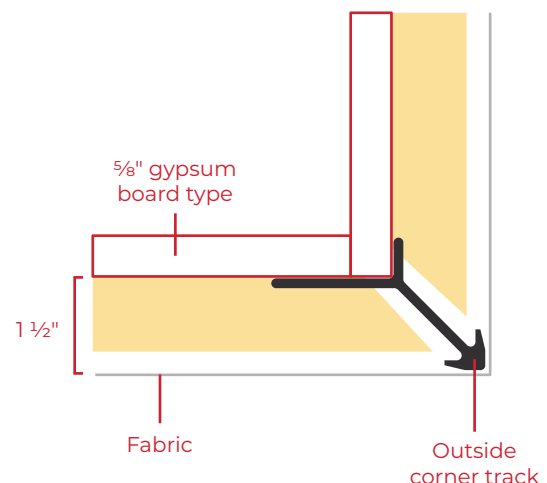
▶ Outside corner track

The only requirement is that there must be a structure that will support the track. For example, to enclose a duct, a wood frame can be constructed around the duct to which the track can be attached.

Inside corners



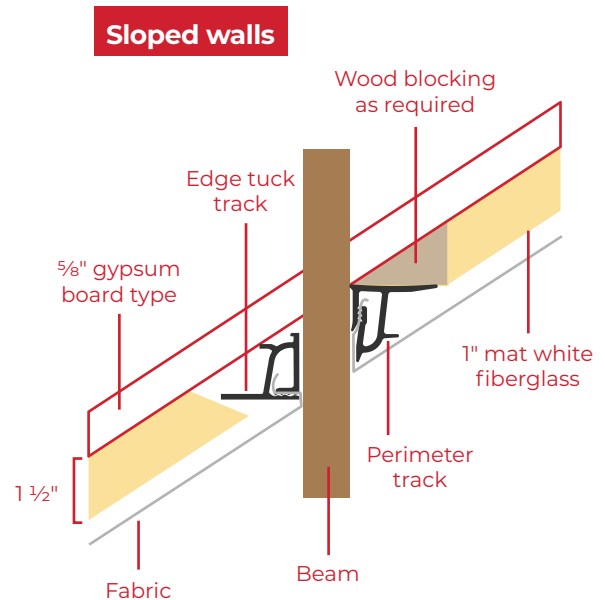
Outside corners



Sloped ceilings

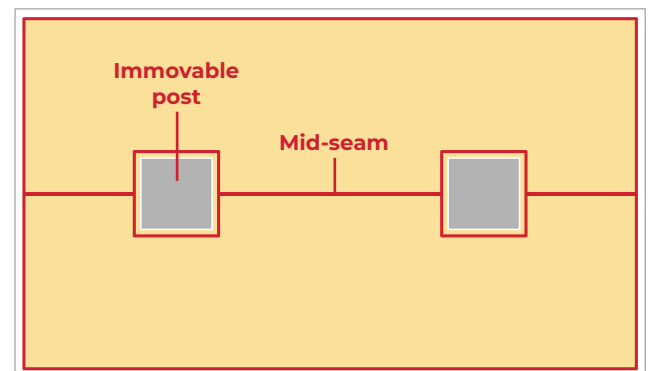
▶ Edge tuck or perimeter track + wood blocking

At the base of the sloped ceiling, wood blocking is required to square the perimeter tensioning track to the wall. At the top of the ceiling, wood blocking or edge tuck track can be used to square the track.



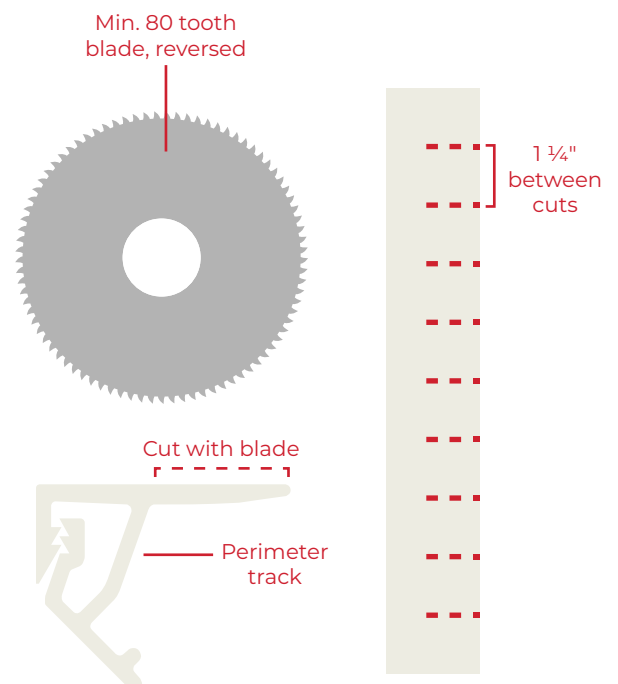
Immovable post

- ▶ In order to install Eurospan around a post, a mid-seam track must be installed from the post to the nearest wall. The installation is carried out as described in the basic instructions to tension the fabric on three of the walls.
- ▶ Once the fabric is tight against the post on one side, the fabric is cut and wrapped around the post. Tuck the fabric into the fourth wall and the mid-seam track to finish the ceiling.



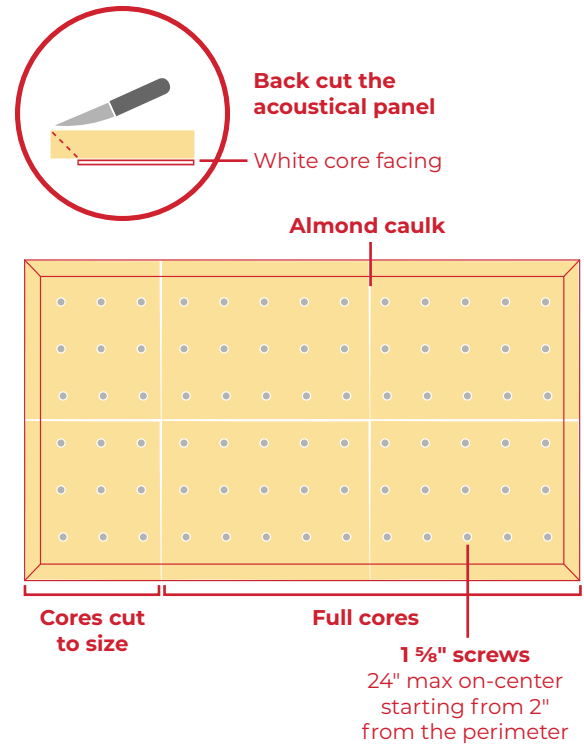
Creating curves

- ▶ Eurospan can be installed on domed ceilings or in curved shapes by bending the track. To do so, multiple kerfs can be cut into the perimeter or mid-seam track. **Only use a plywood blade.**
- ▶ Set the saw depth so that each kerf is the same depth. Use wood blocking on the saw back to help position the saw blade correctly. Kerf the track every 1 1/4" and keep the spacing even for an even flex.
- ▶ Use masking tape on the installed track to stop visual bleed through of the kerfs.



Installing the acoustic core

1. Cut cores to size to tightly fill the entire surface, pressing into the tracks. All edges that touch track need to be back-scored to fit into the tracks.
2. Starting in one corner of the room, butt the acoustic panel into the tracks on both walls. Fasten the panel in place with surface-dependent screws starting 2" from perimeter on all sides. All other screws 24" max on-center.
 - ▶ **Screws need to be long enough to have at last $\frac{1}{2}$ " penetration into surface.**
3. Butt the next panel against the installed panel, making sure to make the joint as tight as possible. Continue this process until the entire ceiling is covered with acoustic panels. Use the utility knife or drywall knife, straight edge, and dust mask to cut any panels to size. Be sure to keep the joints as tight as possible.
4. Once all panels are installed, there are two options for covering the seams so that they are not visible under the fabric finish.
 - ▶ **Using excess core material, carefully cut the thin white core facing to create strips that can be sprayed with adhesive and cover up the seams.**
 - ▶ **Fill seams with almond caulk, cleaning up excess after applying.**



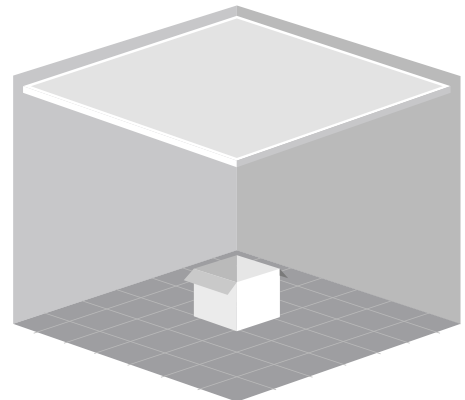
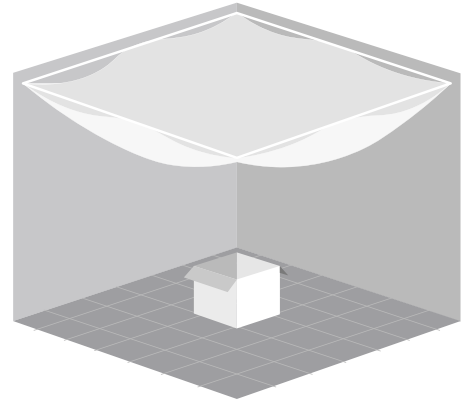
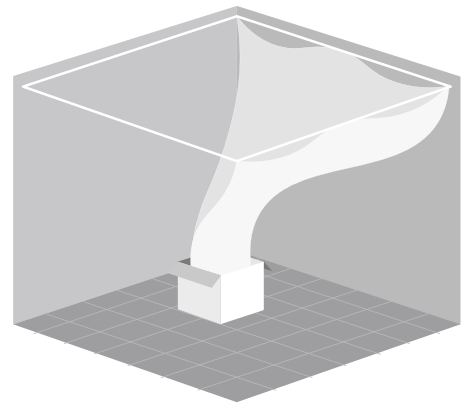
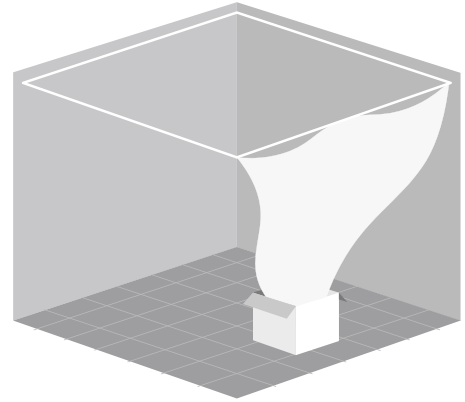
PAUSE! Before proceeding to fabric tucking, double check the following:

- ▶ Sand any sharp corners in the tracks
- ▶ All fabric-retention tips of tracks are aligned
- ▶ No seams in the cores are uncovered
- ▶ The work space is clean and ready for fabric handling
- ▶ Review the location of fabric rolls, if there are multiple.

Installing Eurospan Fabric

(We promise it's not that bad)

1. Before unpacking fabric, clean the workspace thoroughly to protect the fabric from getting soiled. Use the provided white gloves when handling the fabric during installation.
2. Compare provided fabric with intended install location(s) to verify dimensions.
3. Locate the tag on the face of the Eurospan Fabric that indicates the length and width of the piece of fabric. The tag also indicates the finish face side of the fabric that should be exposed once installed.
4. For the initial part of hanging the fabric. Start in one corner on a short wall, drape 3 to 4 inches of fabric over the tuck tool and insert into the perimeter channel of the track, in a rocking motion. Remove the tuck tool from the track and the fabric should be held in place.
5. Moving down the length of the room, alternate from side to side tucking a tools length of the fabric in the track every 6 ft. Finish by tucking the final side of the fabric into the remaining track. The fabric should now be loosely hanging from the ceiling.
 - **Note:** at this point, you will begin covering any fixtures in the ceiling. This is NORMAL. Once fabric is taught, you will go back to reveal fixtures. Take note of the position of all penetrations that will need revealing.
6. Return to the initial wall and tuck the fabric in every 2 to 3 feet. Repeat this process for the remaining three walls. At this point, check to be sure the fabric is square with the room and that it will reach all corners of the room.
7. In order to start tensioning the fabric, start on a long wall and remove a small portion of the fabric from the track. Pull the fabric tight towards the wall and re-insert. Continue this process down the length of the wall. Move to the opposite wall and repeat this process, adding more tension as you go.
8. Repeat Step 7 for the final two walls.
9. Repeat step 7 until the desired tension is achieved. There should be less than 1" deflection in the center of room.
10. Trim the excess fabric hanging below the track leaving less than ½" of material. Using the tuck tool, push this excess fabric into the self-storing track.
11. Be sure the fabric direction remains the same between midseams and adjacent rooms.

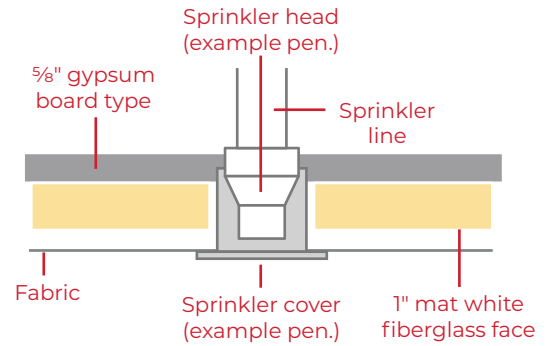


Fabric penetrations

► 8" diameter circle or less

1. For circular penetrations less than 8" in diameter, such as recessed lights, speakers, sprinklers or smoke alarms, blocking is not needed in most situations. Eurospan fabric is self-supporting and will retain its shape at these penetrations.
 - **Note:** The openings for these penetrations are cut out after the fabric is fully stretch in place.
2. Start in the center and cut out toward a slightly smaller opening than the penetration will be. Then push/stretch the fabric up around the trim flange of the penetration; light, sprinkler, etc. This creates the final finish look. Adjust the height of the trim ring or cover trim to final height.

Penetration 8" or less ►



Creating a finished, exposed edge

- For installations where the fabric ceiling is not extended to a wall, a finished edge can be created to hide the fabric retaining track.
- **Option 1 → Edge Tuck Track**
 Instead of using perimeter track for the exposed edge, the edge tuck track can be substituted. This track allows the fabric to be tucked parallel to the ceiling, concealing the track.
- **Option 2 → Fabric-wrapped edge**
 A narrow piece of fabric (3–4") can be installed between the track and the ceiling with the excess fabric on the tuck side. Tuck the excess fabric into the track to create a fabric wrapped edge.
 - **Note:** The fabric between the track and surface needs to be applied BEFORE installing track. Optionally, you can tuck this fabric into the track before installing as well.

