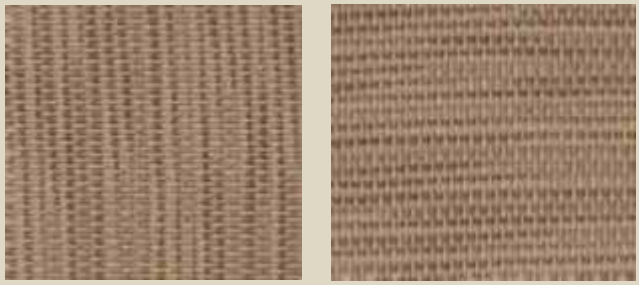
Mesh Options and Seams



An example of Suntex 80 directional mesh

Seams may be required, depending upon the mesh type selected

An example of mesh which required seams to accommodate a tall opening

Mesh Options

Any local Authorized Phantom representative will be able to provide mesh samples to assist you in determining both the type and color of mesh required for your specific project. Phantom Screens carries a wide range of mesh types from insect mesh to solar and block out mesh.

When selecting the type of mesh required for your project please consider all the properties of the mesh. All mesh should be used for the purpose of insect or solar protection but never as a wind blocker as this could result in serious damage to the unit.

The maximum pull length or height for an Executive unit is 16' (4,876.8 mm) for most mesh types, with the exception of Suntex 80, which can only be a maximum pull length of 12' (3,657.6 mm) due to its lack of flexibility making retraction difficult.

Light colored mesh has highly reflective properties which can cause an already bright area to be even brighter. For this reason if a sunscreen mesh is chosen to block the light for the customer it is strongly recommended that a dark shade of mesh be used because of its significantly less reflective properties.

Mesh Seams

Due to limitations in roll widths of the mesh we are supplied it is possible that a seam will be required. Units with pull lengths exceeding the roll width will require a seam or a join in the fabric. This is done so that two pieces of mesh can be joined together to accommodate the height of the unit. We can easily assist you in determining if a seam is required by using the measured pull length from the top of the opening to the bottom and a mesh reference chart.

The standard practice in our manufacturing facility is to cut the required width of the screen from the length of the roll and to avoid seams whenever possible. If a seam is required Phantom Screens will always manufacture the seam as high as possible, one full roll width from the top of the slide bar. The exception to this is when the unit width is less than the roll width and the pull length is greater than the roll width. By turning the mesh and cutting the width of the screen from the width of the roll a seam can be avoided.

When there is a need for a seam exact placement may be possible to avoid a seam in a sight line. For example, you might consider custom placement of a seam if you want to:

» Place the seam in line with an existing obstruction (e.g. a window rail, porch or balcony railing, below a tabletop or the

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Mesh seam placement can be determined in advance

Mesh seams can be manufactured to match railing height

floor has several levels and you want to try and keep all seams at the same horizontal plane.)

» Match multiple units by placing a seam where one typically wouldn't be required

» Adjust seam heights on multiple units with varying floor heights so the seams line up

Custom placement of a seam may introduce another seam to the mesh depending on the roll width. Custom placement of a seam is possible and is a value added service Phantom Screens provides to improve overall appearance of the product once installed. Please contact your Approved Phantom representative to find out more.

Some mesh can be turned to avoid seams and others are not due to the lack of symmetrical properties of the mesh. With multiple units the visual impact can be significant especially for directional mesh. Directional mesh appears different in each orientation either due to its weave or color. On some mesh that has a slight difference in thread counts in both directions (e.g. Suntex 80), this visual difference can be subtle enough for a customer to consider turning the mesh to avoid a seam.

For single units or multiple units using non-directional mesh turning the mesh can have little overall visual impact relative to avoiding a seam. When seams are unavoidable, Phantom Screens will work with you to ensure that the best possible visual result for you and your customer is achieved.

We strongly recommend that, if at all possible, seam location and turning the mesh is thoroughly reviewed with your customer. It is good practice to have the customer sign off on any agreed seam location to eliminate any confusion later. ALWAYS inform the customer of the need for a seam when applicable.

Mesh Tapering to Accommodate Sloped Floors

Some units may have the need for a taper at the bottom of the mesh to accommodate an uneven pull length left to right (i.e. a slope in the floor typically on porches and patios). Standard practice is to cut a taper in the bottom of the mesh so that the slope can be matched. A slight slope in a floor or slight difference in pull length of less than a half inch (less than 12.7 mm) will not be accommodated because the bottom seal can make up such a small variance (see page 18 for more information). Be aware that any mesh requiring a tapered bottom to accommodate a difference in pull length from left to right will need to be shimmed at the roller to ensure the slide bar is level with the housing once retracted. This can be difficult if the taper is severe and should be a consideration when electing to have a taper cut in the mesh.