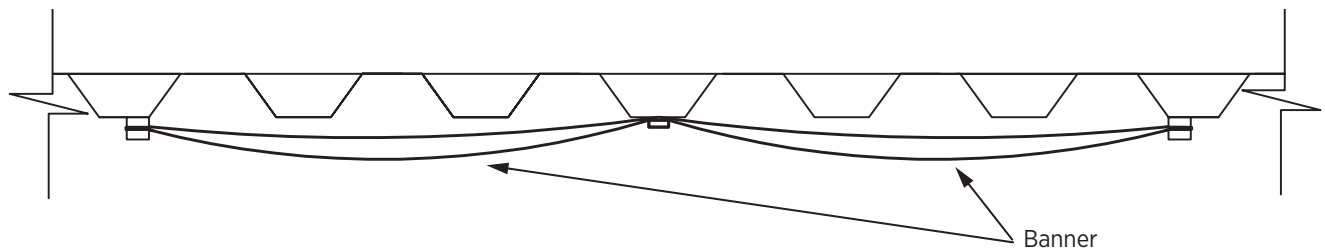


Acoustical FulFillment Ceiling Banners

Our ceiling banners are an attractive, cost effective way to provide absorption treatment in large spaces. They are typically installed by draping across an open ceiling using painted washers or stiffeners to mechanically fasten to the ceiling deck. Ceiling banners provide excellent sound absorption for multi-purpose rooms, gymnasiums, arenas, cafeterias, and other large venues with hard ceilings.



SOUND ABSORPTION:

2", PVC, Perforated, 1.2 pcf

Hz	125	250	500	1000	2000	4000	N.R.C.
Banner	.90	1.06	1.02	1.10	1.15	1.22	1.10

2", PVC, Solid, 1.2 pcf

Hz	125	250	500	1000	2000	4000	N.R.C.
Banner	.85	1.04	1.03	1.06	.69	.42	.95

2", Nylon, 1.65 pcf

Hz	125	250	500	1000	2000	4000	N.R.C.
Banner	.83	1.02	1.00	1.04	.64	.39	.95

4", PVC, Perforated, .75 pcf

Hz	125	250	500	1000	2000	4000	N.R.C.
Banner	1.31	1.11	1.14	1.17	1.15	1.19	1.15

COLOR CHOICES AND MATERIALS:

PVC and Nylon:



Sailcloth Nylon Ripstop:



SPECIFICATIONS:

Core

.75-1.65 pcf fiberglass,
various thicknesses available

Sizes

Any size up to 4'x25'

Mounting

Painted washers Stiffeners

Finish

Nylon, PVC

Edges

Natural

Flammability

All components have a
Class "A" rating per ASTM E84

Sample colors are digitally reproduced and only approximate available colors.

Ceiling Banner Install Guide using Painted Washers

Before you start:

- Have your acoustical spec on hand for quick reference.
- Confirm that the washers are painted to match the ceiling banner color.
- Have appropriate mechanical fasteners (not provided by Acoustical Fulfillment) ready to attach the ceiling banner to the ceiling.

PLEASE NOTE: For best acoustical performance, the perforated side of the ceiling banners should be face down

Installation:

1. Install the fasteners through the painted washers and then gently through the ceiling banners.
2. At the other end of the ceiling banner (or the middle, depending on length and spec) install washers and fasteners to the ceiling at predetermined points.

Important:

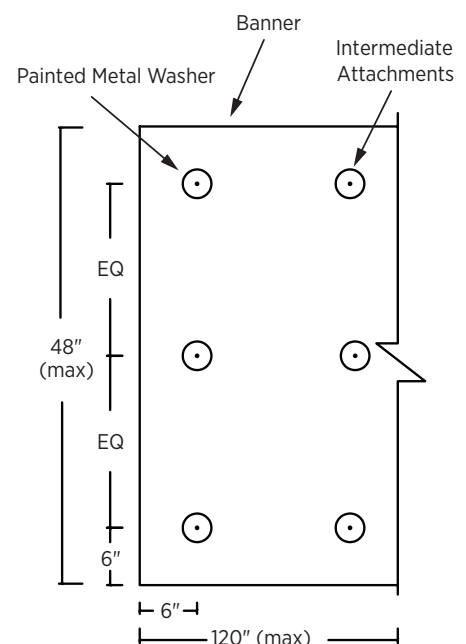
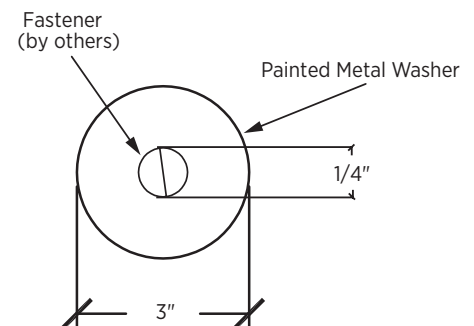
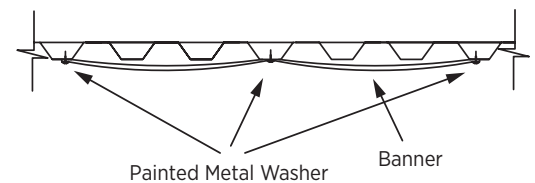
- The location of the painted washers needs to be at least 6 inches from the end of the ceiling banner.
- Please do not screw in the fastener too tight as it can create wrinkles on the face of the ceiling banner.

When to use two washers at each installation point:

- For ceiling banners with **installation points 120" or less apart**, the ceiling banner can be installed with as little as a 6" drop, but no less.
- For ceiling banners with **installation points greater than 120" apart**, the drop must be greater than 6 inches.

TIP: Installers should use best judgement to properly install the ceiling banner while giving it a pleasing aesthetic look. Avoid pulling the banner too taut.

Mounting Details



Ceiling Banner Install Guide using Stiffeners

Before you start:

- Have your acoustical spec on hand for quick reference.
- Confirm that each banner has two stiffeners at each end.
- If your ceiling banners are longer than 120", make sure you have the supplied intermediate fasteners on hand. (These are shipped loose and attached in the field)
- You'll need to have selected your own appropriate mechanical fasteners to attach the ceiling banners to the ceiling deck. Size of opening is 3/8".

PLEASE NOTE: Install ceiling banners with perforated side of PVC facing down for best acoustical performance

Installation:

Locate the desired starting point on the ceiling deck as detailed in your layout, and fasten one end of the ceiling banner through the stiffener.

Important:

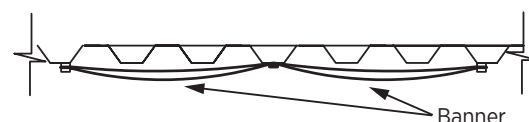
- **For ceiling banners 24" wide and less**, use two mechanical fasteners per side.
- **For ceiling banners wider than 24"**, use three.
- **If your ceiling banners are 120" or less**, attach the other end of the ceiling banner using the same method described.
- **For ceiling banners longer than 120"**, you'll need to attach an intermediate stiffener at the mid point before proceeding to the other end of the ceiling banner.

Cable mounting with Stiffeners:

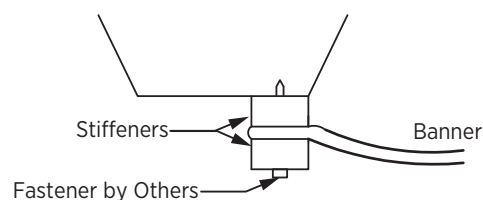
Sometimes it is desired or necessary to use aircraft cable to attach the ceiling banners to the ceiling deck (hardware not supplied by Acoustical FulFillment). Follow the same instructions as above, but thread aircraft cable through the stiffeners at the bolt locations and securely clamp/crimp the cable at the stiffener. Then use appropriate fasteners to attach to the ceiling. Securely clamp the cable to the ceiling fastener.

PLEASE NOTE: Please do not use this mounting method for ceiling banners longer than twenty feet.

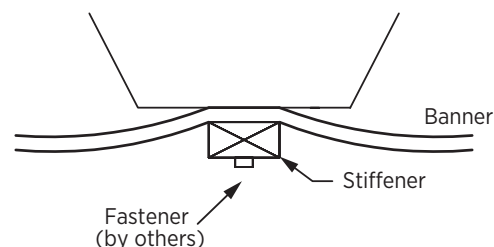
Direct to Deck Mounting



End Stiffeners



Intermediate Stiffeners



Stiffeners are attached at both ends. An intermediate stiffener is attached at the mid-point of Banners longer than 120". Intermediate stiffeners are shipped loose and attached in the field.

Stiffeners with Cable Mounting

