PRODCUCT INFORMATION

AmCraft MANUFACTURING, INC.

Ceiling Baffles
Product Information

Standard Sizes:	Part Number
3" thick x 2 ft. wide x 5 ft. long	CB 2Wx5L
3" thick x 2 ft. wide x 6 ft. long	CB 2Wx6L
3" thick x 4 ft. wide x 8 ft. long	CB 2Wx8L

Material and color options facing the noise source:

- Acoustic Fabric

- PVC Coated Mesh

- Solid PVC with Polyester scrim inside (Vinyl)

Product Features:
- Excellent sound absorption
- No itch or skin irritation materials used
- Fire Rating ASTM E-84 Class A
- Resists microbial growth

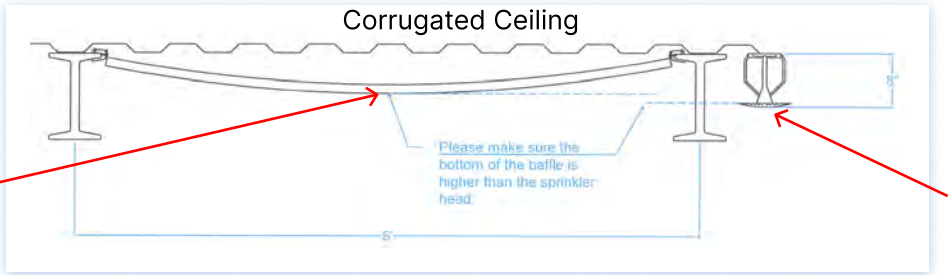
Very effective in 3 ways:

- The 3" thick baffle itself absorbs the sound
- The air gap above the ceiling baffle and the ceiling or deck also provides sound dampering properties.
- The curved bottom surface of the baffle increases the range of angles which sound is absorbed from.

If you have a sprinkler system:

For the Sprinkler System to function properly you have to make sure the bottom of the Ceiling Baffle is above the sprinkler head.

Lowest point of the Ceiling baffle not lower than the bottom of the sprinkler head.



Bottom of sprinkler head

Make sure the sprinklers can still spray the intended pattern in a case of fire. It is always recommended to inform your local fire authority of the changes in your building.

If your building has no sprinkler system the ceiling baffles can also be mounted to the bottom flange of the Joists.

PRODCUCT INFORMATION

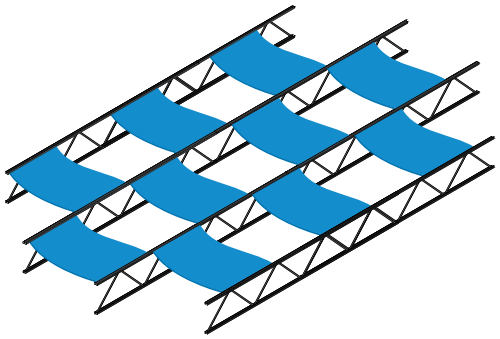
AmCraft MANUFACTURING, INC.

Ceiling Baffles
Product Information

Recommendations:

The quantity and location on the ceiling of the baffles effect the decibel loss result.

We recommend to start with a checkered pattern above your noise source. Adding our other type of baffles listed below will also help to lower the overall noise on different locations in the room.

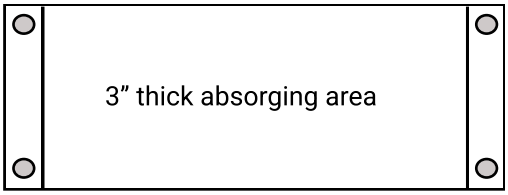


Sample of 50% ceiling coverage in a checker board pattern. If less coverage is needed, we increase the spacing.

Mounting Options:

The ceiling baffles come with a 2" wide reinforced flap on each two foot ends with two grommets.

Plan View



Each acoustic ceiling panel needs four fasteners. We offer either small C-Clamps or Tie wraps

Absorption Coefficients NRC

AmCraft's Baffles offer 3" of absorbing material inside the baffles so you can expect greater results than listed below.

Sound absorption measurements of the sound absorbing material inside the baffle.The actual dimensions of the tested batt are just 2" thick 24" x 48"

125	250	500	1000	2000	4000	NRC
0.27	0.87	1.17	1.15	0.96	1.06	1.05

Increased thickness and/or greater surface area render improved sound absorption.

Each Baffle type we are offering has a designed purpose:

- The Free Hanging Baffles absorb the noise above the noise source and lower the overall noise level.
- The Wall Baffles provide soft surfaces for the noise to minimize hard surfaces for the noise to reflect on.
- The Ceiling Baffles provide soft surfaces for noise otherwise reflecting off of the ceiling.
- The Corner Baffles absorb the noise in the corner of a room since the sound waves / energy has the tendency to collect in the corners of a room.

AmCraft MANUFACTURING, INC.

Ceiling Baffles
Product Information

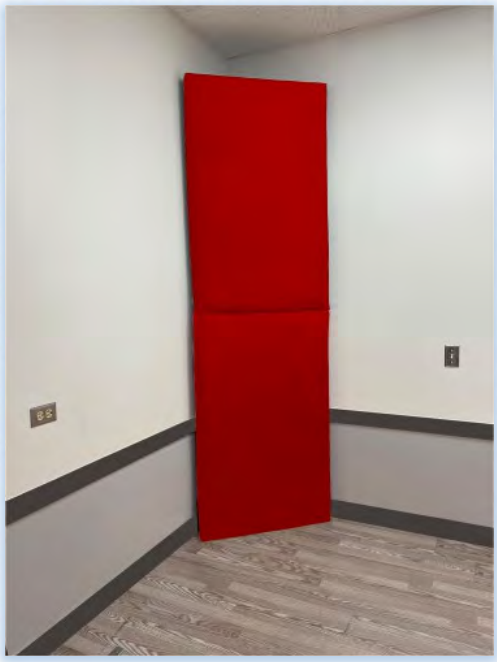
PRODCUCT INFORMATION

Related Products

In a given loud space there are not only the hard walls for the noise to reflect off of we also have to consider the ceiling, the corners and the areas right above the noise source. To cover those areas we recommend:

Free Hanging Baffles

Corner Baffles



Acoustic Hybrid Baffles

Wall Baffles