

The following are suggestions only and derived from our experience and the experiences of previous customers. Acoustiblok® makes no guarantees regarding such and you may find better methods.



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1. INSTALLATION ON A 6' OR LESS CHAIN LINK FENCE

- **Note:** If there are prevailing winds and you are attaching fence to a chain link fence, it is highly advisable to put the Acoustifence® on the side the wind is blowing from for extra strength. Air must not go under the bottom of the fence.
- It is recommended to unroll the fence on the ground and let it relax in the sun for at least 3 hours.
- Roll the fence back up. Lean the roll against the fence as vertical as possible with the grommet edge to the top. Line up the top of the roll to the top of the fence or at the desired height. Air must not go under the bottom of the fence.
- Begin unrolling the Acoustifence® along the fence. While one person slowly unrolls the material, the second person inserts the ties in each grommets and attaches to the fence or support structure. Leave ties very loose at this time. Insure that the material is kept taut (lengthwise) as you install the ties to prevent it from bunching up between ties. A third person is useful to help support the weight and keeping the fence pulled tight. Do not tighten the ties yet. Install all ties first keeping them loose.
- Pull each tie so that the Acoustifence® is properly lined up at the desired height. **DO NOT** make the nylon tie tight! It must be loose enough to allow the eyelet to pivot freely on the tie. Try to distribute weight equally using every grommet. (FIGURE A)
- Increase the tension on each tie (do not fully tighten) such that the weight of the fence is evenly distributed. Do not trim off end of nylon tie until you are sure weight is evenly distributed. (You may even wait on this for several days to insure equal tension after material fully relaxes in place.
- The end and bottom grommets must all be attached (again, loosely). The bottom and sides must not be allowed to flap or to be excessively loose such that when the wind blows it yanks back and forth on the bottom grommets. At the bottom add dirt on both sides the full length of the fence or bury the bottom edge. Air and sound must not be allowed under the fence.

NOTES:

- ***Two People Recommended (Min) but three people is more helpful.**
- **Time required 30 - 40 minutes.**
- **Items: Utility Knife, Pliers, Dykes, Shovel, 80 lb. Nylon Ties (included with purchase).**



FIGURE A

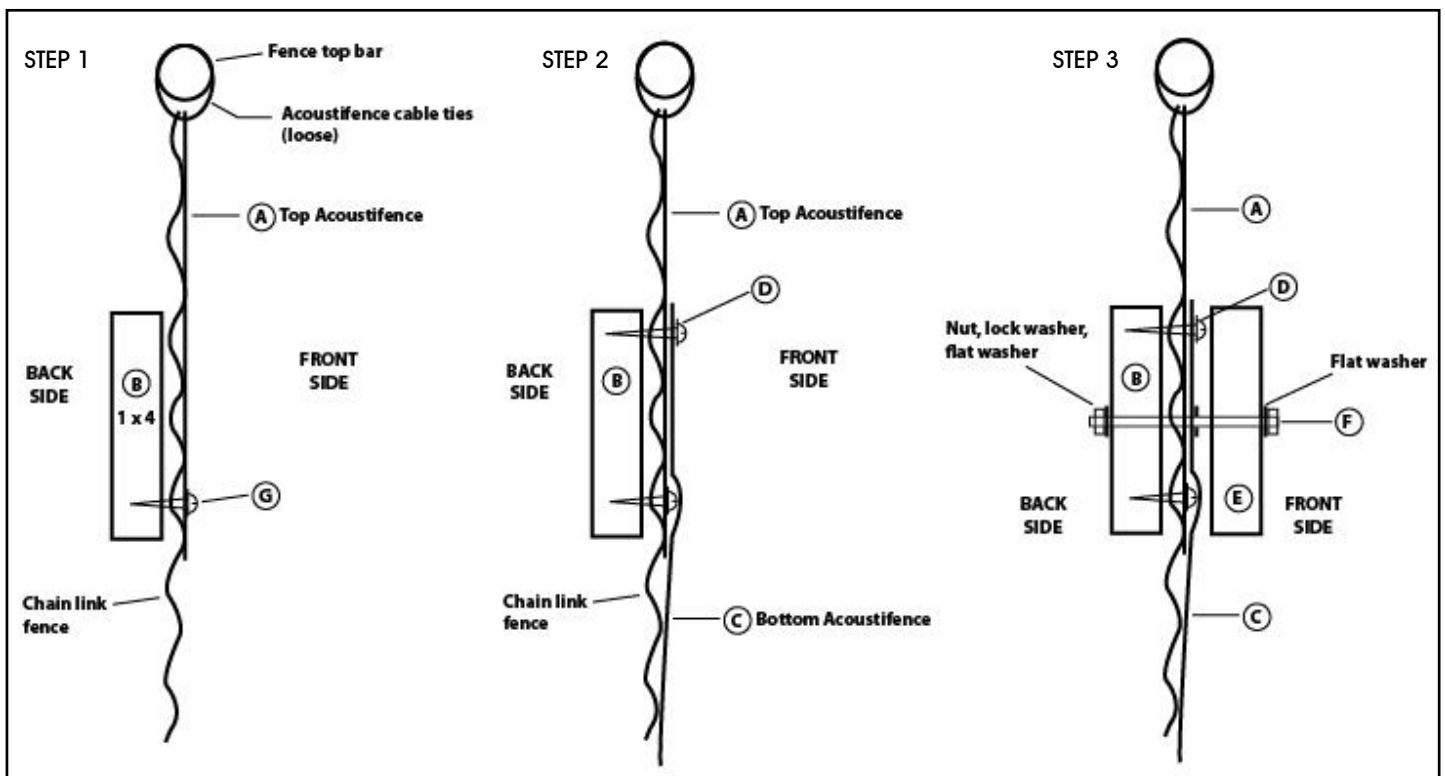
The ties **MUST** be loose enough to allow the fence to pivot on the nylon tie.

NOTES:

- In high wind environments, especially if the Acoustifence® is likely to be constantly flapping, it is highly recommended that the Acoustifence® installation be reinforced. There are a variety of solutions depending on your application. We advise adding another chain link fence on the other side of the Acoustifence®. Call to discuss options that will fit your specific installation.
- Cold temperatures will reduce flexibility during install. Attempting to unroll if material is at a very low temperature is not recommended. Find a way to warm up the roll, i.e., leave indoor until fence roll becomes room temperature.
- Leave ties loose enough to allow the grommet to pivot on the ties. (FIGURE A)
- If painting fences, do not use "elastomeric" paint. An exterior vinyl acrylic latex paint is recommended.
- Using nails or screws alone instead of the grommets to support the fence will possibly cause tears in the material. Sandwiching the material between two surfaces can help to resolve this.
- If you are using nylon ties, which are mill spec UV tolerant, rather than the stainless steel tie option, there should be an annual inspection of these nylon ties to ensure all have equal tension.

2. INSTALLATION FOR HANGING/BOLTING MULTIPLE ACOUSTIFENCES® HORIZONTALLY ON A CHAIN LINK FENCE

- First hang the top fence (A) in accordance to single fence installation recommendations to the chain link fence.
Remember that the object here is to allow the fence to pivot on the top cable ties. The ties must be loose, and they must be adjusted such that there is equal tension on each tie.
- Place the 1" x 4" (B) on the backside of the bottom edge of this fence on the other side of the chain link fence.
- Use any pan head screws, and large flat washers (G) as needed, to screw through the front side of the Acoustifence®, approximately 24" on center, into the 1" x 4" to temporarily hold it in position.
- Manoeuvre the bottom Acoustifence® (C) into position. Using a pan head screw (D) with a large flat washer, screw from the front side of the fence, through the Acoustifence® and chain link fence, into the 1" x 4" to temporarily position the bottom fence. These are merely to hold and position the 1" x 4" and the two Acoustifences®.
- The front 1" x 4" (E) is now ready to be bolted on top of the bottom fence (C). A bit of alignment and measuring will be needed here. The object is to drill a 5/16" hole through the front 1" x 4" (E) lining up with every other eyelet that does not have a screw in it already. This hole will go through the front 1" x 4" (E), the eyelet in the bottom fence (C), the top Acoustifence® material (A), and the 1" x 4" (B) which is temporarily attached to the chain link fence.
- Hardware should be a material that will not rust or corrode.
- Tighten the 1" x 4" bolts (F) on the chain link with consistent pressure to sandwich both fences together.



3. INSTALLATION FOR OVERLAPPING FENCE, USING ADHESIVE

This installation involves first mounting a fence from the ground up and securing it to a chain-link fence crossbar, or other supporting structure, then securing a fence above this one and adhering the bottom of it to the existing first bottom fence top.

- Hang the first fence (the bottom one) as per "installing on a 6' or less chain link fence".
- It is ideal to have a horizontal cross member between the vertical poles to hang the bottom fence from. If you do not have such you can hang the Acoustifence® directly from the chain link fence being careful to have equal tension on each tie. You must also make sure that the chain link you're tying to is able to support the weight of the fence without sagging. This would most certainly involve reinforcing (minimum of every 12 inches) the connection of the chain link to the horizontal bar on top which the chain link is minimally tied to. Ensure the bottom fence is exactly where you want it to be. Then let it set at least half a day in the sun which will allow it to find it's natural positioning.
- Hang the top fence from the top rail with the ties ensuring they are relatively loose. You should be able to fit 2 fingers into the ties. Again, make sure this fence has laid in the sun for at least 4 hours before putting this up. Otherwise there will be a small amount of expansion occurring after you have secured the fence causing slight ripples.
- After the top fence has been mounted and left hanging loosely (overlapping the bottom fence by at least 5 inches), but with even tension on each tie, take a pencil and scribe a line on the bottom of the fence where the bottom of the top fence overlaps. Masking tape is an alternative that makes for a neater result. (FIGURE A)
- Approximately 1/2 inch up from that line or edge of tape, while the top fence is held up by someone else, run a 3/16 (max 1/4) bead of FCA 10 for the entire length of the 30 foot fence. Then run another bead one inch above the first bead. Do not exceed the 1/4 inch bead size or smear the adhesive flat as edges need to be exposed to the air to cure. (FIGURE B)
- Now begin to ensure that the top fence is pressed firmly into the adhesive. Taping down the bottom edge during curing time is advisable. Normal masking tape will work but should not be left on too long as it will be difficult to remove. Initial adhesive curing is approximately 24 hours. Complete curing is approximately 7 days.
- After curing and testing the bond between the 2 fences, snug up the top ties on the top fence ensuring they have equal tension. We want



FIGURE A



FIGURE B

4. VERTICAL SECTIONS INSTALLATION ON CHAIN LINK FENCE

- Insure your framework or fence is properly designed for all mechanical stress.
- It is advisable to unroll the fence on the ground and let it relax in the sun for at least 3 hours.
- **Note:** If there are prevailing winds and you are attaching fence to a chain link fence, it is highly advisable to put the Acoustifence® on the side the wind is blowing from for extra strength. Air must not go under the bottom of the fence.
- Start by hanging and positioning from the top. Pull each tie so that the Acoustifence® is properly lined up at the desired height. **DO NOT** make the nylon tie tight! It must be loose enough to allow the eyelet to pivot freely on the tie. Try to distribute weight equally using every grommet. (FIGURE A.)
- Increase the tension on each tie (do not fully tighten) such that the weight of the fence is evenly distributed. Do not trim off end of nylon tie until you are sure weight is evenly distributed. (You may even wait on this for several days to insure equal tension after material fully relaxes in place.



The ties **MUST** be loose enough to allow the fence to pivot on the nylon tie.

FIGURE A

- The side and bottom grommets should also be attached together. The bottom and sides must not be allowed to flap or to be loose such that when the wind blows it yanks back and forth. At the bottom add dirt on both sides, the full length of the fence. Air and sound must not be allowed under the fence.

NOTES:

- In high wind environments, we advise adding another chain link fence on the other side of the Acoustifence®. Call to discuss options that will fit your specific installation.
- Cold temperatures will reduce flexibility during install. Attempting to unroll if material is at a very low temperature is not recommended. Find a way to warm up the roll, i.e. leave indoor until fence roll becomes room temperature.
- Leave top edge ties loose enough to allow the grommet to pivot on the ties. (FIGURE A)
- If painting fences, do not use "elastomeric" paint. An exterior vinyl acrylic latex paint is recommended.
- Using nails or screws alone instead of the grommets to support the fence will possibly cause tears in the material. Sandwiching the material between two surfaces can help to resolve this.
- If you are using nylon ties, which are mill spec UV tolerant, rather than the stainless steel tie option, there should be an annual inspection of these nylon ties to ensure all have equal tension.



You will have a 3" overlap at each vertical seam and the edge grommets are every 12 inches. The zip ties should be installed from the other side (need 2 people) and the correct way to zip tie to the chain link fence is shown above.

As sound flows greater than water through even small holes, for most sound reduction it is advisable to fill all vertical side grommet holes and seams with FCA10 or AC10/AC28.



Another option is adding a 1.5" wide x 1/4" thick metal bar to the seam. This will significantly strengthen the seam as well as closing much of the air gaps in the seam which allow sound penetration. When the zip ties are cinched it sandwiches the 2 layers of Acoustifence® between the metal bar and the chain link. The metal bar could also be taller than the Acoustifence® section and one end buried into the ground so that the bottom edge can not move.



RIGHT WAY TO INSTALL ZIP TIES

When installing the zip ties on the vertical seams of the Acoustifence®, make sure that the zip ties pull the grommets towards each other by only going around one of the links in the chain link. This will hold the Acoustifence® material to the chain link and prevent the seam from pulling apart.

WRONG WAY TO INSTALL ZIP TIES

The zip tie was fastened around two link sections of the chain link and does NOT pull the two grommets towards each other. NOT RECOMMENDED.

5. IMPROPERLY INSTALLED ACOUSTIFENCE®

This is what happens when Acoustifence® is improperly installed. The prime reasons for this fence failure are as follows:



- The bottom of the fence next to the ground is not adequately nor permanently attached to anything, thus allowing it to flap in the wind.
- Just as with metal, if there is a fixed rigid point of connection at which the material is allowed to move back and forth, it is only a matter of time till the material fatigues and tears. With metal the term is metal fatigue. This is why we stress leaving the nylon ties loose enough to let the Acoustifence® eyelets pivot freely.
- **If wind is common, we strongly recommend attaching the Acoustifence® to one chain link fence and adding another layer of chain link on top of the material to sandwich the Acoustifence® in between.**
- Do not forget to do the same with each end of the fence. (Do not ignore sealing the gaps in the fence airtight, as it only takes a little bit of space for sound to transmit through. The bottom of the fence should be covered with soil on both sides). Holes and joints can be filled with FCA10.

If you have any questions
please call your Acoustiblok® supplier: