

AcoustiFence® Industrial Acoustic Membrane

READ ALL INSTRUCTIONS BEFORE INSTALLATION

INCLUDED MATERIALS:

AcoustiFence Industrial Fence by the roll (9.14m x 1.82m), stainless steel ties, installation instructions.

REQUIRED SAFETY EQUIPMENT: Standard PPE - gloves and safety glasses.

REQUIRED INSTALLATION EQUIPMENT:

Reinforced Fence with Grommets on Chain Link Fence: stainless steel ties (supplied), Two extension ladders (long enough to extend past the top of fence structure), pliers, metal cutting snips, shovel, utility knife.

Reinforced Fence with Grommets For a Wood or Other Solid Fence Structure: Two extension ladders (long enough to extend past the top of fence structure), power drill with proper bits, fasteners, washers, shovel, timber or metal battens / strips for perimeter and cross members, utility knife.

NUMBER OF PEOPLE: 2 - 3

TIME REQUIRED: Approximately 20-30 minutes per 9.14m roll of installation.

CLEANING MATERIAL:

Rinse with a mild dish soap and water solution then completely rinse with water to gently clean fence after installation and periodically to keep fence clean.

Use detergent based solutions such as “Goof Off” products to easily remove sap, paint, oil, grease and other environmental blemishes.

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SUGGESTIONS / RECOMMENDATIONS

- **Prevailing winds** – Attach the *AcoustiFence* material so that it lies against the chain link fence or other structure, facing the main direction of the wind for added security. In high wind environments, it is highly recommended that you employ extra reinforcement. i.e. installing additional tension wires horizontally or even a secondary part / full chain link to create a sandwich type fit.
 - **Use only stainless steel ties if using grommets to secure (outdoor)** - Plastic and other ties may become brittle and break prematurely. When using stainless steel ties, band ALL ties loosely during installation unless otherwise instructed. After all ties are loosely applied, snug each tie with the same tension.
 - **Nails or screws** – Using nails or screws alone to support the non-reinforced *AcoustiFence* will cause tears in the material. Always use washers to extend surface pressure around the head of the hardware, or sandwich the material between two surfaces to help to resolve this (recommended).
 - **Use of ladders** - If using extension ladders, follow all manufacturers' warning and safety procedures.
 - **Trimming ties** – Don't trim the ties until the entire curtain and all of the ties are secure. The ties may need to be tightened a little and you will need the tail of the tie to do so.
 - **Stapling** – *AcoustiFence* can be stapled to a solid structure such as a wood fence or a wood frame. Limit air pressure to between 60 - 80 psi if using a pneumatic stapler. Using full psi will discharge the staple completely through the material. Always test the pressure of the stapler and staple in a non-conspicuous area before hanging the fence. Do not let the staple crown pierce the material.
 - **Structural requirements** - Consult a structural engineer for structural requirements as needed.
 - **Hot surfaces** - In some geographical areas of intense sun light, the black version of *AcoustiFence* may reach very high temperatures and should be painted with a white or other lightly tinted exterior acrylic latex paint to prevent serious burns from touching and to keep the material from sun fade. Do not use elastomeric paint.
 - **Customised fence sections** – If application required a custom size fence, either horizontal or curtain style, grommet locations may differ from this installation suggestion guide. A drawing representation is available upon request.
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PREPARATION

- **Relax material** – Unroll the material and allow it to relax before installation. DO NOT drag the *AcoustiFence* material as this will scratch or mark the surface. Place the material in direct sunlight or, if the weather is below 60°F (15°C), place it indoors at room temperature for several hours. Cold temperatures will reduce flexibility during installation. Do not allow material to crease or fold.
- **Clean area around fence structure** - Clean area where fence will be installed. Remove any foreign objects that might otherwise make it difficult to attach fence, i.e. old nails or screws, tree limbs, rocks, etc.
- **Base (footer) of fence** - After complete installation, the footer edge of the fence will need to be covered to seal all air gaps and to create an acoustical seal. Depending on the actual length of fence and in-field installation, the *AcoustiFence* might have to be buried or a material built up to close all gaps.

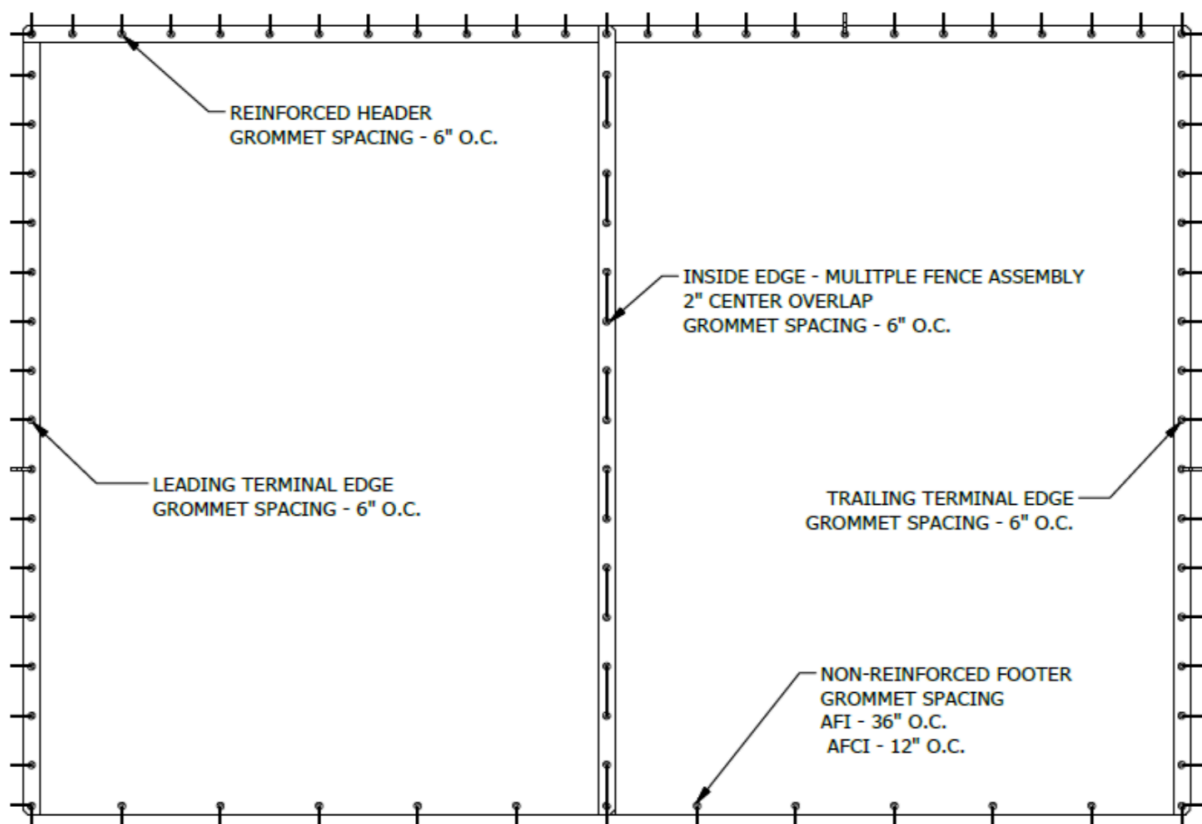


Figure 1-Stainless Steel Tie Orientation

SECTION 1 - CHAIN LINK

Secure the Header

Secure the header ties around the rail ONLY. Do not include the chain link fence. This will allow the installer to pull the fence taught (horizontally) as required for the entire installation. Each grommet gets one fastener. Corner grommets get two ties. DO NOT release all the material weight on corner grommets alone.



Secure First Terminal Edge

Loosely fasten all the leading terminal edge grommets (first fence only) to the chain link fence or post as shown in Figure 1. When all ties have been applied, tighten fasteners using the staggered method. Each grommet gets one tie secured in a horizontal direction. If a single curtain application, both side edges are considered a terminal edge.

Secure Base

Secure bottom grommets to the base of the fence structure. Secure each footer as the curtain is hung. If curtain is longer than fence structure, lie on ground and follow the final step - (Bury and Trim) for securing instructions.

Install Additional Curtains

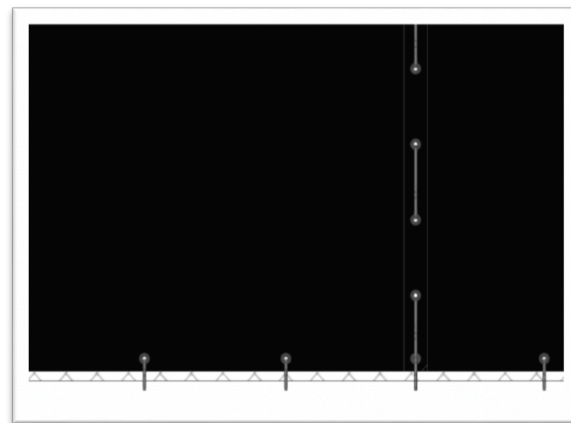
Secure the header of the second curtain using the ending grommet of the first curtain creating the 50mm overlap (approximate) to line up end eyelets. Keep all curtains taught as the end of one curtain is secured with the beginning of the new curtain to reduce wrinkles while installing. Repeat as necessary for each additional curtain.

Ending Terminal Edge

Fasten the stainless steel ties as shown in Figure 1 for the trailing terminal edge orientation.

Bury and Trim

When the fence is completely installed, follow the recommended base (footer) of fence recommendations. This step will vary depending on the ground surface of fence and surrounding area. If an earth pile can not be installed it is suggested to incorporate tension wires horizontally fixing through the end grommets onto the posts of the structural fence to further secure. Once all ties have been properly snug according to location, trim and dispose of stainless steel tie ends correctly.



SECTION 2 - TIMBER / SOLID STRUCTURE

There are many ways to install Acoustiblok *AcoustiFence Barrier Membrane* onto a solid structure. Please visit our website www.acoustiblok.co.uk for installation suggestions.

Secure the Header

Prepare wall – Make sure wall is free from objects that may pierce material. While attaching the header to the structure, maintain support on remainder of fence.

If using framework or cross batten system (as shown above) be sure to secure all fence edges with the framework.

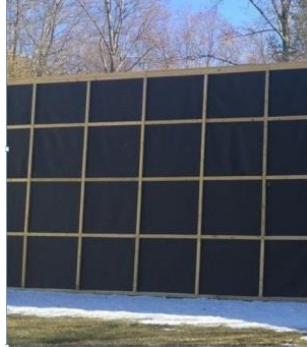
Many clients / contractors attach a trellis / cross battening to secure in place.

Secure the Edges

Permanently attach both edges to structure. Be sure all air gaps are sealed to block sound and noise through fence.

Secure the Footer

Permanently attach bottom to the structure.



LEGAL DISCLAIMER

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