ANC® Non-Conductive Fence System

TRANSFORMING MATERIALS

into products that make a safer world
ANC® COMPOSITE FENCE SYSTEM

Introduction
Alabama Metal Industries Corporation, AMICO, developed and produces the ANC Composite Fence System. The AMICO ANC System is a revolutionary concept that allows the security barrier to be non-conductive (does not conduct electricity) and have low radar reflectivity for airport applications.

AMICO’s composite system is also:
- Non-Magnetic
- Fire Retardant
- Corrosion Resistant

Dielectric Testing
ANC Composite Fencing utilizes panels, posts, fittings and fasteners all made from materials proven to be electrically non-conductive. Tests have been conducted by a certified laboratory in which leakage current and flashover voltage tests revealed NO electrical conductivity to 650,000 volts.

The System
For ease of new construction and for the retrofit existing fences the basic components have been designed to be similar to standard fencing products. We utilizing our network of Certified and Approved Dealer/Installers and can recommend skilled installers throughout the United States and Canada. Since the system is not made of metal the weight per square foot is much lighter than steel yet almost as strong. Typical ANC Composite Panels are capable of sustaining impact loads in excess of 2,000 lbs.

<table>
<thead>
<tr>
<th>Mesh Style</th>
<th>Tool</th>
<th>Level</th>
<th>Time (min)</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANC 1.0-1.75</td>
<td>Fire Axe</td>
<td>L</td>
<td>2.5</td>
<td>L2.5</td>
</tr>
<tr>
<td>ANC 1.0-1.75</td>
<td>18V Disc Grinder</td>
<td>M</td>
<td>2.7</td>
<td>M2.7</td>
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<tr>
<td>ANC 1.0-1.75</td>
<td>20” Bolt Cutter</td>
<td>M</td>
<td>5</td>
<td>M5.0</td>
</tr>
<tr>
<td>ANC 1.0-1.75</td>
<td>18V Reciprocating Saw</td>
<td>M</td>
<td>4.1</td>
<td>M4.1</td>
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<tr>
<td>ANC .50-2.25</td>
<td>18V Reciprocating Saw</td>
<td>M</td>
<td>2.2</td>
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<tr>
<td>ANC .50-2.25</td>
<td>20” Bolt Cutter</td>
<td>M</td>
<td>4</td>
<td>M4.0</td>
</tr>
</tbody>
</table>

ANC has been tested for its resistance to forced entry to the ASTM Standard F2781 and evaluated to meet or exceed the identified threat categories. Listed below are the required time to cut a 2-ft x 2-ft opening in the mesh.

ANC .50-2.25 Medium Security

ANC 1.0-1.75 Maximum Security

Dark gray in the standard color.

Isometric view of ANC H-Posts, Panels, Wedge Plugs, Back Straps and threaded fasteners

For more information call - 205.783.6249
The ANC Composite Fence System™ combines non-conductivity and security into an easy to install solution for the energy industry, airports and marine transportation.

The materials and information contained herein are designed as a guideline for selecting and planning a non-conductive barrier. Your grounding engineer must assess and approve the final specification.

Fence components are non-metallic and electrically non-conductive.

Threaded fasteners bolt through the panels and tighten up to posts securely using AMICO wedge plugs.

ANC can be constructed as a new barrier or to retrofit an existing chain link fence framework. Depending upon the recommendation from your grounding engineer existing steel posts can be utilized. AMICO provides metal fittings for such retrofit applications.

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Airport Applications
Airports that require a barrier less reflective than metallic fencing will utilize AMICO ANC materials produced specifically for this application.

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