DMF Contempo - Technical Description

PRODUCT APPLICATIONS

Perimete control for commercial, sports fields, playgrounds, and restricted areas fencing needs requiring a combination of structural strength and visibility.

PRODUCT FEATURES

1. Being 100% vertically integrated, Deacero is able to control each step of the manufacturing process to ensure the highest quality:
   a) Melting: raw steel is obtained from steel scrap, contributing to a sustainable environment and keeping up with the company's initiative. Meets ASTM A-510.
   b) Drawing: in this process wires are manufactured under a specified diameter and maintained within an acceptable range variation, using Deacero's state of the art technology. Meets ASTM A-510.
   c) Galvanization: wires are covered with a heavy zinc coat for high corrosion resistance. Meets ASTM A-641
   d) Welding: wires are smoothly and uniformly welded using the most advanced technology. Next, the horizontal wires are welded to the panel in order to provide a double reinforcement for lateral strength.
   e) Powder Coating: Using state of the art technology, panels are then smoothly and uniformly powder coated following the next steps:

1.- Pre-treatment: dirt and scrap are removed using a bio-degradable degreaser under determined density levels, temperature and spray pressure in order to get a clean and smooth wire surface.

2.- Phosphate: Improves bonding of the powder to the metal giving it excellent adherence and also increases corrosion resistance.

3.- Powder coating: A high technology spray nozzels charged powder particles forming a cloud, then product is passed through it and particles are attracted to its surface. All done in cabins where relative humidity and temperature are perfectly controlled.

4.- Curing: Using intense heating the powder melts and forms a uniform film, then is cooled for coating hardening.

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Having a vertically integrated manufacturing process offers the following advantages:

a) High corrosion resistance (3 protective coatings: zinc, phosphate and powder coating).
b) Significant UV resistance.
c) Superior lateral strength.
d) High security structure with its heavy resistant security fasteners and clamps.
e) Sustainable product, manufactured with bio-degradable products and non-toxic components such as degreaser and electrostatic paint free of TGIC (Triglycidyl isocyanurate).

Deacero has two testing laboratories with state of the art technology to guarantee the highest quality on DMF products.

1. Galvanization laboratory:
Deacero has the test equipment necessary to guarantee the following mechanical and chemical product features related to the galvanization process.

Tensiometer:

- Tensiometer ASTM 853 Y ASTM 641
- Wire Elongation
- Welding Resistance
- Breaking Strength
- Tension Resistance

Without Tensiometer

Chemicals laboratory:

- Zinc Coating Measure
- Corrosion Resistance ASTM 641
- Wire Diameter

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2. Powder coating laboratory
Deacero has the test equipment necessary to guarantee the following mechanical, manufacturing and weather resistance product features related to the powder coating process.

Product manufacturing control tests

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Designmaster fence Contempo design is manufactured under precise quality control standards from recycled raw material selection to size and coating specifications.

Manufactured in compliance with wire rod, drawing, galvanization and electro welding standards to guarantee structural resistance and high product quality.

DMF Contempo has two different panel designs, 656 and 868. 656 design has a double horizontal wire reinforcement 6 gauge and vertical wires 5 gauge. 868 design has a double horizontal wire reinforcement 8 gauge and vertical wires 6 gauge.
## DMF Contempo - Technical Description

<table>
<thead>
<tr>
<th>FENCE DESIGNS</th>
<th>FENCE HEIGHT (inches)</th>
<th># OF FASTENERS &amp; SECURITY CLAMPS PER POST</th>
<th>RECOMMENDED POST FOUNDATION (inches)</th>
<th>POST HEIGHT (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>656 &amp; 868</td>
<td>48</td>
<td>4</td>
<td>20</td>
<td>70</td>
</tr>
<tr>
<td></td>
<td>63</td>
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<td></td>
<td>95</td>
<td>7</td>
<td>24</td>
<td>121</td>
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</tbody>
</table>

For further details consult DMF Contempo installation manual

For both Contempo 656 & 868 on heights less or equal to 63”, panel's edges must point down for security reasons. The posts and reinforcement bars on these fence heights are already prepared for this sort of installation.

DMF Contempo post 2 1/2” x 1 1/2” 14 gauge are manufactured in accordance with ASTM A-513 to guarantee the required structural dimensions, and under ASTM A-653 to guarantee a thickness of Zinc G90 which equals to 0.8 oz/ft\(^2\) considering both post sides.
Contempo Post
Each post comes with an affixing flat bar, polypropylene spacer, plastic cap and one-way bolts. All posts have a 1 1/2” hole on one side in order to affix both hardware and panels.

Contempo Corner Post
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For installations on a 90° angle. All corner posts come with two flat bars, spacers, plastic caps and double the number of one-way bolts. Each post has a 1 1/2” hole on one side and another 2 1/2” hole on the next side.
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**Contempo multiple-angles post**
For installations with 45° angles. All posts have a flat bar with edges designed to fit in the panel wires as required, plus the right number of spacers, caps and one-way bolts. Each post comes with a 1 1/2" hole on one side.
COLORS

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
<th>RAL</th>
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</thead>
<tbody>
<tr>
<td>Green</td>
<td>Moss Green</td>
<td>6005</td>
</tr>
<tr>
<td>White</td>
<td>Pure White</td>
<td>9010</td>
</tr>
<tr>
<td>Black</td>
<td>Signal Black</td>
<td>9004</td>
</tr>
<tr>
<td>Red</td>
<td>Carmine Red</td>
<td>3002</td>
</tr>
<tr>
<td>Yellow</td>
<td>Melon Yellow</td>
<td>1028</td>
</tr>
<tr>
<td>Gray</td>
<td>Dust Grey</td>
<td>7037</td>
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<tr>
<td>Blue</td>
<td>Sapphire Blue</td>
<td>5003</td>
</tr>
<tr>
<td>Brown</td>
<td>Beige Grey</td>
<td>7006</td>
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