



Division 10 Bird Control Devices

CSI Division 10290/10296, 10 81 13

SECTION 1 PRODUCT DESCRIPTION

1.1 SUMMARY PRODUCT DESCRIPTION

- A. Install AviAngle® to prevent pest birds from landing, perching or roosting wherever the AviAngle™ is installed. The combination of the smooth Rigid PVC surface and the angle of the AviAngle™ prevents birds and wildlife being able to get a stable foothold on the base of the ledges. AviAngle® is safe, non-toxic, non-harmful, humane and eco-friendly.

1.2 QUALITY ASSURANCE

- A. Obtain all technical information, consultative services, products, and accessories from a single source manufacturer.
- B. Utilize WarBird, Mfg Preferred Installers in your area to ensure experience, knowledge of the products, certification, and insurance coverage.
- C. Products must be manufactured in the United States of America.

1.3 SUBMITTALS

- A. Submit manufacturer's descriptive material including samples, literature, catalogs, product specifications, and installation instructions.
- B. Provide warranty on products and installation.
- C. Provide proof of professional installation certification and insurance.

1.4 PRODUCT HANDLING

- A. Protect AviAngle® from damage before, during and after installation.
- B. If damage occurs to AviAngle® at any time, replace the product as soon as possible.

1.5 WARRANTY

- A. AviAngle® Products are warranted against U.V. breakdown for two (2) years.

1.6 DISTRIBUTION

- A. WarBird Mfg.
Email: support@warbirdmfg.com
Website: www.warbirdmfg.com - www.aviangle.com

SECTION 2 PRODUCT INFORMATION

2.1 MANUFACTURER

- A. WarBird Mfg.
Email: support@warbirdmfg.com
Website: www.warbirdmfg.com - www.aviangle.com

2.2 PRODUCT MODEL DESIGNATION

- A. AviAngle® BASE UNIT
 - a. AviAngle® Base Unit will cover approximately 6" of ledge depth.
 - b. AviAngle® Base Unit comes in four (4') linear foot sections.
 - c. AviAngle® Base Unit is packaged in twelve (12) four (4') sections for a total of forty-eight (48') linear feet per box.
 - d. AviAngle® Base Unit comes in gray and can be painted to color match.

- B. AviAngle® MID-EXTENDER
 - a. AviAngle™ Mid-Extender adds approximately 3.5" to the AviAngle™ Base Unit.
- C. AviAngle® TOP-EXTENDER
 - a. AviAngle® Top-Extender adds approximately 2" to either the AviAngle™ Base Unit or the AviAngle® Base Unit combined with Mid-Extender.
- D. AviAngle® UNIVERSAL JOINDER CLIP
 - a. When multiple sections of AviAngle® need to be joined together, the installer will use a Joinder Clip to join the two sections of AviAngle® together.
- E. AviAngle® UNIVERSAL END CAP CLIP
 - a. End Cap Clip attaches to the side of the AviAngle® Base Unit to allow End Cap to be installed.
- F. AviAngle® UNIVERSAL END CAP PLATE
 - a. When the end of the AviAngle® is open, the installer needs to install end cap to close off the area under the AviAngle® with an End Cap Plate.

2.3 MATERIALS

- A. AviAngle® Products are made from Rigid PVC with UV inhibitors, and resistant to virtually all weather and harsh environments.

2.4 MOUNTING METHODS

- A. Use a polyurethane construction adhesive for all surfaces when installing AviAngle®.

The installer must test section of AviAngle® and adhesive to test area before installing AviAngle® to ensure proper adhesion.

Contact manufacturer for recommended adhesives.

- B. In addition to the polyurethane construction adhesive, the installer can use Screws with fender washers for additional fastening options.
- C. In addition to the polyurethane construction adhesive, the installer can use Clamps for temporary installations or additional fastening options.

SECTION 3 EXECUTION

3.1 SURVEY

- A. Before starting the installation, the installer must first conduct a complete inspection of the areas to be treated.
 - a. Note any unsafe conditions.
 - b. Notify appropriate personnel of all conditions before installation starts.
- B. The installer must not proceed with the installation until all conditions are fixed and safe.

3.2 SURFACE PREPARATION

- A. Surfaces should be inspected and cleaned before beginning installation.
- B. Remove debris and make repairs as necessary – fallen tree branches, brush, peeling paint, loose parts, rubble, rust, etc.
- C. Use recommended Safety Solvent to clean and remove bird droppings and another residue from surfaces.
- D. Highly recommended that treatment area(s) are thoroughly power washed before the installation.
- E. Make sure surfaces are dry before installation.
- F. The ideal outside temperature should be above 50 degrees. For applications that are below 50 degrees, the installer should

utilize a polyurethane adhesive that is rated for colder temperatures and appropriate surface areas.

3.3 INSTALLATION

- A. AviAngle® must be installed according to the manufacturer's recommendations. Please follow manufacturer's Installation Guide for proper installation.
- B. Installer MUST cover the entire ledge surface area. Please follow the Ledge Depth Measurement Guide for directions on how to properly measure ledge surface to determine the AviAngle® components that will be needed to complete the installation properly.
- C. Failure to follow the manufacturer's installation guidelines, improper installation or to follow good workmanship guidelines will void all warranties, express or implied.

3.4 INSPECTION

- A. At the completion of the installation, the installer must visually inspect all the AviAngle® components for any damage or any problems related to the installation.
- B. Repair and correct any deficiencies immediately, otherwise the AviAngle® system may not work as intended.

OM-OPERATIONAL MAINTENANCE

If the AviAngle® system is installed according to the manufacturer's guidelines, the AviAngle™ system should be virtually maintenance free. Standard weather-related elements should not damage the AviAngle® system if the installation was performed according to the manufacturer's installation guidelines. AviAngle® Products are warrantied against U.V. breakdown for two (2) years.

----- **END OF SPECIFICATIONS** -----