

Nixalite® Project Case History

Project Case History

Name: Orlando International Airport

Location: Orlando, Florida

Installer: Home Care Pest Control

Product: Stainless Steel Welded Wire Mesh



The Orlando International Airport erected an equipment shelter to help protect equipment and personnel from the harsh Florida sun and rain. Unfortunately, pest birds found the shelter to their liking as well.

Purpose:

To stop birds from getting to the exposed structural steel framing under the roof of the shelter.

Problem:

The Orlando International Airport installed a new shelter to protect equipment and vehicles used by the airport for various tasks. The problem was that pest birds found the shelter to be a perfect roosting and nesting opportunity as it gave them protection from Florida's harsh sun and torrential rains.



Pest birds love open steel framing. Their droppings can corrode steel!

Pest birds would fly up under the shelter to land, roost and nest on the open steel framing and trusses. The bird's droppings would defile the equipment and vehicles that were supposed to be safe when parked under the shelter.

Bird droppings are caustic and if left in place can stain and corrode nearly any building surface. Along with the mess comes the health risks.

Bird droppings are often toxic and can spread some very nasty diseases and parasites. This ugly and smelly mess is an obvious health risk to those that must work around it. The Airport Authority decided to take steps to prevent the problem from occurring. They released a bid asking contractors for a long-term bird control system that could keep pest birds out from the 3,000 square feet of open trusses and steel framing. It had to be corrosion resistant and would have to handle high humidity, high heat and a salt-laden, tropical environment. David Aponte from Home Care Pest Control was bidding the project so he called Nixalite of America Inc for product selection and planning assistance.



Bird droppings are corrosive and pose a serious health hazard.

Solution:

After talking with Mr. Aponte and reviewing the bid specifications, Nixalite suggested installing the Bird Screen Stainless Steel Welded Wire Mesh Barriers. It would be installed under the lowest structural steel beams to seal off all areas that would end up behind the barrier. Based on the dimensions provided for the structure and the specific requirements of the bid, it was determined that Nixalite's 1/2" square opening, all stainless steel wire mesh barrier was the product that best fit the application and specification.



Nixalite offers a full line of Bird Screen Welded Wire Mesh Barriers. Available in both galvanized steel and stainless steel, wire mesh has unlimited uses. It can be cut, molded and formed to fit complex shapes

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**If you have any questions or would like more information, please contact Nixalite of America Inc
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Based on the measurements provided by Home Care Pest Control, it was determined that a total of eight rolls (4' wide and 100' long) of the stainless steel wire mesh were needed to complete the job. Home Care Pest Control installed the stainless steel wire mesh with locally purchased hardware and stainless steel wire ties supplied by Nixalite.



Based on the dimensions provided by Home Care Pest Control and the written specs for the bid, it was determined that 8 rolls of the stainless steel wire mesh would be needed for the enclosure.

David Aponte of Home Care Pest Control chose to install the stainless steel welded wire mesh with stainless steel fasteners and support cables. The fasteners were a self-drilling and self-tapping screws with rubber washers. These were installed through the mesh and into the steel behind. To further secure the mesh, Home Care Pest Control installed cables beneath the wire mesh to help hold it secure to the underside of the open steel framing. They used the stainless steel wire ties from Nixalite to join the wire mesh together along the edges and seams. This method of joining the individual runs of wire mesh together created a seamless and smooth look to the finished installation.



The stainless steel welded wire mesh was expertly installed by Home Care Pest Control. Their attention to detail and ingenuity served them well.

Summary:

The equipment shelter at the Orlando International Airport required a long-term bird control system that could keep pest birds out from the 3,000 square feet of open trusses and steel framing. It had to be corrosion resistant and would have to handle the typical Florida weather of high humidity, high heat and the salt-laden tropical air.

Both Home Care Pest Control and Nixalite of America Inc determined that the one product that best fit the specifications was the stainless steel welded wire mesh barriers. While poly based bird netting is the usual answer for bird exclusion in large open areas, it was the Orlando Airport Authority's strict specification that made the stainless steel welded wire mesh the only real answer. David Aponte and the Nixalite Planning Department got together to work out the details of the installation.



Both David Aponte (right) and his installation crew are justifiably proud of the installation. Patience and attention to detail paid the benefits of a wire mesh installation that is both inconspicuous and perfectly executed.

All job-site photos courtesy of Home Care Pest Control.

Contact Nixalite:

Since 1950, Nixalite has been manufacturing and distributing quality bird and animal control products for businesses and homeowners around the world. Our free planning services are available to anyone interested in purchasing, installing or specifying our bird and animal control products. If you have need of humane control, contact Nixalite of America Inc first.

At Nixalite - we are at your service.

If you have any questions or would like more information, please contact Nixalite® of America Inc



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