



I S O 9 0 0 1 R E G I S T E R E D

C L E V E L A N D B L A C K O X I D E

## Case History – Architectural Products

Product: Display Fixtures  
Customer: Macy's

### **Goal:**

Architect wanted to decorate the stores with black fixtures having the look, feel and texture of metal.

### **Issue:**

Large panel sections required large black oxide tanks. Cleveland Black Oxide has the largest tanks in the U.S. at 17' in length.

### **Solution:**

Black Oxide coating with a clear topcoat post treatment, resulting in beautiful, durable and corrosion resistant surfaces.



## Why Cleveland Black Oxide

We have over 50 years of black oxide conversion coating experience. We process over 8-million pounds of carbon, alloy and stainless steels; brass, bronze, copper; cast zinc and cast iron each year. And we have the experience, technologies and services to solve your coating problems.

### **Tank Capacity, Part Handling & Processing**

We have the largest tanks in the industry – 17' long for steel parts, and can go beyond that size on a case-by-case basis. For stainless steel we have 12' tanks, and for Copper, Brass & Bronze, and Die Cast Zinc - 4' tanks. We offer rack process for parts not suitable for barrel or basket processing. We also design custom fixtures and process menus to meet all your special needs.

### **QC/Lot Control**

A processing menu is created for each order and carefully followed – paying strict attention to times, temperatures, concentrations of solutions, and all other process parameters. These parameters and job history are stored in our computers, making a permanent record of your jobs. Records of all solution concentrations are maintained for periodic report and analysis. Tracking procedures are in place for lot segregation when required.

### **Exclusive Processes**

Cleveland Black Oxide has developed a number of unique black oxide coatings including Black Onyx™ which produces a high luster finish on heat treated and hot rolled parts, and our Bi-Met™ process which is a conversion coating for brazed parts and dissimilar metal assemblies.

### **Service, Research & Technical Assistance**

Send us your prototypes and we'll test and recommend a black oxide coating system that meets your protection, appearance and performance needs.

### **Quotations & Rush Orders**

Quotes are promptly submitted upon receipt of sample parts or prints. Approximately 80% of all orders are ready within 48 hours. Our plant is in operation 18 hours a day and emergency service is available.

### **Cleveland Black Oxide**

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ARCHITECTURAL