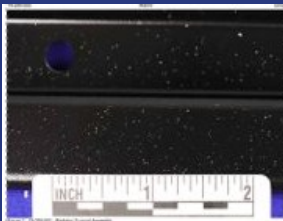




Learn how our Material Support & Solutions team solved this customer material issue:

WHITE SPECKS ON E-COATED STEEL



THE PROBLEM:

After electro coating a radiator support assembly, a customer found white specks in the black e-coating. The customer asked for help in determining if the specks would affect corrosion protection.



THE ANALYSIS:

The Worthington Corporate Material Lab examined the e-coat on defective parts using a Scanning Electron Microscope and found porosity in the e-coating. The porosity was caused by the evolution of gas bubbles during e-coating due to excessive voltage.



THE SOLUTION:

The defective steel radiator parts were e-coated with aluminum parts that require higher voltage. Worthington recommended to e-coat the steel and aluminum parts separately to allow for the appropriate voltage to be applied to each material.

THE ACTION:

When you need to identify the root cause of defects in coated steel parts, contact the Materials Support & Solution team at Worthington.

CALL US AT 1-800-944-2255

WORTHINGTON INDUSTRIES. 200 WEST OLD WILSON BRIDGE ROAD COLUMBUS, OH 43085