



TECH NEWS

Top News Source for Battling Corrosion

HALOX® 750

Successfully replaces Strontium Chromate

The Problem

A paint company manufacturing coatings for the transportation, construction and rubber/tire industries wants to replace a strontium chromate corrosion inhibitor found in its coatings with a non-toxic alternative. At the same time, they are looking to save money without sacrificing corrosion resistance.

The Solution

They used HALOX® 750 in a waterborne air dried alkyd and solvent-borne high solids melamine at equal levels to strontium chromate and achieved equal performance.

HALOX® 750 is a corrosion inhibitor for light-duty industrial coatings. It combines both organic and inorganic inhibitive chemistries. It utilizes patented organic functionality along with proven phosphate technology. HALOX® 750 demonstrates many advantages over other corrosion inhibitors on the market today by providing improved blister resistance and wet adhesion as well as corrosion resistance when there is a break in the film.

The hexavalent chromium found in strontium chromate is a known human carcinogen which requires special handling. Because the paint company was able to successfully replace strontium chromate they no longer have to worry about handling and disposing hazardous materials which in turn, will save them money.

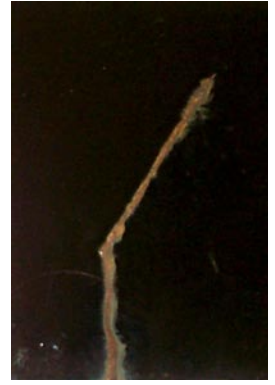
WB Air Dried Alkyd
240 hours Salt Spray
50 Microns

Cold Rolled Steel



SrCrO₄
(4.0%)

Cold Rolled Steel



HALOX® 750
(4.0%)

SB High Solids
Bake Alkyd Melamine
240 hours Salt Spray
50 Microns

Bonderite® 952



HALOX® 750
(5.0%)

Bonderite® 1000



HALOX® 750
(5.0%)