CHIEF®
BUILDINGS

ELECTROCOATING

Electrocoating has proven superior to spray-on primers in providing protection when exposed to weather during construction. It reaches places conventional spraying and dipping can't.

GRAY OXIDE PRIMER

This gray oxide primer maintains a superior appearance, but may be field painted should you choose to finish with a coat of paint.

RESISTANCE

There is no other process that gives the same consistent, abrasion and corrosion resistant results as Chief Electrocoating.

ELECTROCOATED STRUCTURAL STEEL

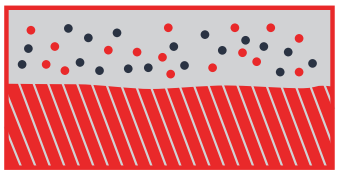
www.chiefbuildings.com

THE RESULTS

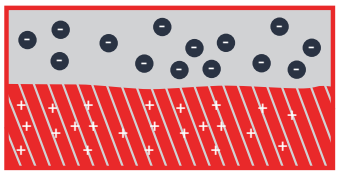
During the plating process, taking one to two minutes, electro-chemical reactions take place on the surface of the structural parts, changing the salts in the paint back to their original acid state. The voltages involved (200-300 VDC) act as an electronic pressure to add density to the resin. The result is a paint film that is not only water insoluble, but virtually 100% solid.

After coating, the parts are baked in an oven, converting the paint films to an enamel composition that is hard and abrasive resistant. With this process, superior corrosion resistance is achieved.

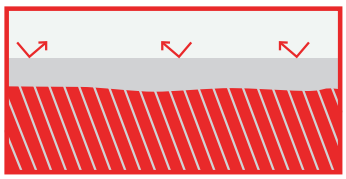
THE PROCESS



Chief Electrocoating, being a liquid submersion process, penetrates virtually everywhere, most notably the places that spray primer can't reach.



Introducing electricity into the process creates a current, forcing the negatively charged primer to plate the positively charged steel member.



Oven baking the plated steel results in a smooth, hard, abrasion and corrosion resistant enamel film.

CURED FILM PROPERTIES

COLOR: Gray	REVERSE/DIRECT IMPACT: 80 In/lbs
GLOSS: 45-55 @ 60°	1/8 CONICAL MANDREL: Pass
FILM Thickness: 0.8-1.2 Mils	18 HR DI WATER SOAK: Pass
MEK Rubs: 100+	4 HR HYDROCARBON SOAK: PassV
PENCIL HARDNESS: 2H	100 HR SALT SPRAY: 1/4 inch Creep
MAR RESISTANCE: Excellent	HUMIDITY RESISTANCE: 1,000+ hrs
CROSS HATCH ADHESION: 100%	

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CHIEF BUILDINGS
P.O. Box 2078
1821 S. North Road
Grand Island, NE 68802-2078
800-845-1767

chiefbuildings.com