

**CHIVARI**[www.chivari.com](http://www.chivari.com)

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**Steelix chairs** *Tolix Style: Built Better!*

White

50%  
Matte BlackPolished  
Gunmetal  
Hi GlossBlack  
Hi GlossRed  
Hi GlossBlue  
Hi Gloss

### Hammered Charcoal Hi Gloss

*Our spotlight finish! Our Charcoal Gray Steelix chair features the most astonishing finish. A truly beautiful chair.*



### Our exclusive 9 Step chair protection process:

We don't use everyday paint. Instead, our Steelix chairs are finished with a super hard process: The paint we use is known as Electrostatic Powder Coating (EPS), which is a coating process that uses an electrostatic spray gun to apply an electrically charged powder to a electrically conducting material. One or more electrodes on the front of the powder gun charges the powder to 60 - 100 kV when sprayed. An electric field is created between the powder gun and the grounded work-piece. The powder particles follow these field lines and remain adhered to the object due to its residual charge.

- **We polish the metal** for a smooth, dry, mirror like finish with no impurities or nano-rust particles
- **The chairs are dried** in an oven to remove all moisture
- **Spraying:** The spray gun uses an electrode fitting to positively charge the powder particles. The metal surface being sprayed is grounded, giving it a negative charge. Attraction: The electric field between the charged particles creates a strong bond that causes the powder to stick to the metal in an even coat.
- **First,** we apply a light coat of paint to enhance adhesion. This first coat is about 20 µm thick.
- **We then apply a second, but thicker electrostatic coat,** about 80 microns thick.
- **Heating:** The Chairs are then heated in a furnace at about 392°F, causing the powder layer to melt and create a ceramic or porcelain like finish.
- **The powder continues to melt and level** after high temperature and then enters the constant temperature curing stage. The constant temperature curing time is about 20 to 30 minutes.
- **Cooling:** The powder layer cools and forms a closed coating.
- **Finally a Quality Control Expert inspects each chair's final finish before packaging from the factory.**