

BTR Plating Resources

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Products & Services

BTR-Plating Resources provides enhanced methods of applying Electrocoating (E-Coat, Powdercoat and TopCoat) paint to a wide range of materials and products that are used by both industries and consumers. Our processes use high-performance coatings that will protect the environment while providing superb quality and a first-rate appearance.

Electrocoating is a method of using electrical current to deposit organic paint on a metal surface. E-coating is based on the fundamental physics principle that opposites attract. The metal parts are charged with direct current and then immersed in a bath that has oppositely charged paint particles in it. This allows every corner, crack, and crevice to have a continuous even coating over the entire surface of the part.

There are 2 types of electro deposition systems: **Anodic** and **Cathodic**. In **Anodic** Electrocoating, the part to be coated is the anode with a positive electrical charge, which attracts negatively charged paint particles in the paint bath.

In **Cathodic** electrocoating the part to be coated is given a negative charge, attracting the positively charged paint particles.

BTR-Plating Resources has earned a reputation for outstanding quality and service by continuously searching for cost-effective, efficient and environmentally friendly processes to meet our customer's ever changing needs

“Everything that gets *WET* gets COATED “

Powercron 8000 is the most cost-efficient and highest performance cationic epoxy electrocoat available. It offers improved transfer efficiency, reduced cure temperature, excellent edge coverage and superior corrosion resistance without the use of heavy metals and reduced volatile emissions

Our Electrocoat process features a brand new 7-stage pre-treatment system with zinc phosphate, 3 post rinses and a state-of-the-art bake oven to cure the paint. [More Details](#)

Advantages

- Ultimate corrosion resistance
- Uniform film coverage on all recessed areas
- Environmental compliance
- Lower cost, increased savings

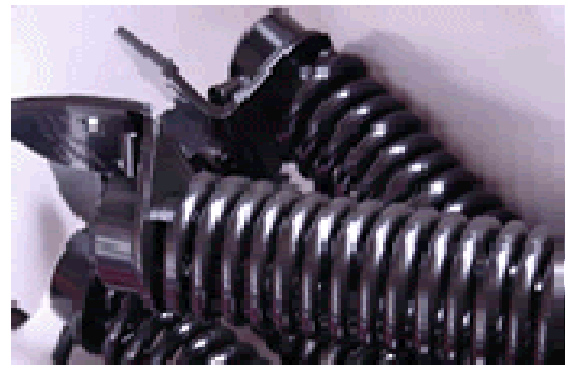
FrameCoat™

FrameCoat™ technology has had such a significant impact on the transportation industry that it has received numerous prestigious awards as one of the top 100 technologically significant new products. A few of these awards are:

2001 PACE Award by the Automotive News
Cap Gemini Ernst & Young for Excellence in Innovation
2002 R&D 100 Award by R&D Magazine

Additional Advantages

- Parts configuration can reach in excess of 20 feet
- Meets OEM's 10 year corrosion protection requirements
- Provides superior corrosion resistance on edges and welds
- Demonstrates superior heat resistance
- Lowers applied costs



Whether your objective is cosmetic appearance, corrosion resistance or functionality it can be achieved by:

- Anodizing
- Bright dipping
- Bright nickel chrome
- Chromate conversion
- E-coating
- Electroless plating
- Electroplating
- Electropolishing
- Gold plating
- Hard Chrome
- Liquid top coating
- Nickel plating
- Phosphate coating
- Polymer coating
- Powder coating
- Silver plating
- Tin plating
- Zinc and zinc alloys



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