



APPLICATIONS

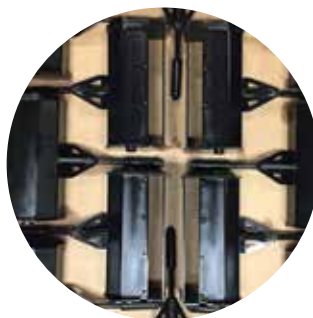
Automotive • Electrical • Home/Garden • Architectural • Gearing
Firearms & Ammunitions • Industrial Products • Machine Tools
Consumer Products • Fencing & Netting

Black Oxide Coating

Black oxide (blackening, oxidizing, black passivating, gun bluing), is a type of conversion coating process. Metals with a black oxide coating are dimensionally stable and have a matte black appearance. Unlike nickel or zinc electroplating, the black oxide is not deposited on the surface of the substrate. Instead, we create the black oxide coating via a chemical reaction between the iron of the ferrous alloy and the oxidizing salts present in the hot black oxide solution.

Benefits Of Black Oxide Coating Are:

- No dimensional changes
- Does not chip or flake
- Offers improved lubricity
- Able to withstand high temperatures without discoloring
- Can be welded
- Cosmetic benefits (glossy or matte)
- Inexpensive to apply
- Does not induce hydrogen embrittlement



SPECIFICATIONS MIL-DTL-13924D

CAPABILITIES & RELATED SERVICES

- Rack and Barrel (bulk) plating
- Regular and Touch Dry Oil
- Salt spray testing
- Stripping
- Tumbling
- Blasting
- Packaging

COMMON SUBSTRATES

- Steel
- Stainless steel

GET A FREE QUOTE

We can answer your questions about black oxide coatings.

Contact our Fridley office at (763) 574-1000 or contact us for a risk-free quote at www.ecofinishing.com.