

Overview of Coating Options for Fully Sintered Nd-Fe-B

DEXTER BENEFITS AT A GLANCE:

- > AS9100C
- > ISO: 9001:2008
- > Clean Room Class 10,000 (ISO7)
- > Patented Magnetic Technology
- > In-house Fabrication
- > Component-level Traceability
- > Magnet and Sensor Integration

Refer to the table below for coating options for fully sintered Neodymium Iron Boron permanent magnets.

Coating Type	Thickness	Appearance	Salt Fog Duration	Temperature
Ni-Cu-Ni	> 20µm	Metallic	> 120 hours	< 200°C
Zinc	> 20µm	Metallic	> 48 hours	< 200°C
Aluminum IVD	> 10µm	White	> 24 hours	< 500°C
Electroless Ni	> 20µm	Metallic	> 24 hours	< 200°C
Parylene-C	> 7µm	Clear	> 120 hours	< 250°C
Everslik 1221	> 25µm	Black, glossy	> 120 hours	< 150°C
Everlube 9800	> 25µm	Black or Green, Matte	> 24 hours	< 150°C
Everlube 10046	> 50µm	Yellow	> 120 hours	< 150°C
Everlube 10047	> 50µm	Yellow	> 120 hours	< 150°C
E6066	> 50µm	Blue	> 120 hours	< 150°C
E-Cote	> 25µm	Black Matte	> 120 hours	< 150°C
Halar	> 50µm	Brown Matte	> 120 hours	< 150°C
E6060	> 50µm	Blue	> 24 hours	< 150°C
E/M 6259	> 50µm	Blue	> 24 hours	< 150°C

ABOUT DEXTER

Dexter Magnetic Technologies is the global leader in specification, design and fabrication of magnetic products and assemblies. Since its founding in 1951, solutions designed by Dexter have and continue to positively impact our world daily – from life-saving medical devices to intelligent optics.

As the essential magnetic system partner, our teams of engineers and support staff are dedicated to delivering innovative technological solutions and services through a powerful combination of engineering and manufacturing expertise.

Please note:

- Salt fog testing as per ASTM Standard B117 (120 hours minimum)
- Due to mounting and/or preparation, some parts might incur minor chips or discolorations

Our sales and engineering staff are happy to discuss your particular application needs and coating requirements.

