

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

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

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.

