



Celebrating 45 Years of High Standards



Foils  
Electroplated

## ORBEL CORPORATION

### Innovators in Photo Chemical Milling and Electroplating

Orbel Corporation excels at supplying electroplated metal foils. Our processing capabilities ensure skilled, reliable, and accurate work. Competitive pricing and on-time deliveries are hallmarks of our forty-five years of customer satisfaction.

Orbel serves the top 1,000 companies as well as growth-oriented companies in an array of industries including aircraft/aerospace, military, nuclear, and electronics.

#### TIN-PLATED COPPER FOIL

##### **Applications**

- Conductive Tapes
- Shielding Applications
- Corrosion Resistance Applications
- Circuitry
- Thermal Shield
- EMI/RFI Shielding
- Medical

##### **Benefits**

- Corrosion Resistant
- Solderability
- Consistent Plating Thickness

##### **Specifications**

###### Base Foil

- Electrodeposited Copper Foil  
0.5 oz. – 5.0 oz.
- Metal Thickness:  
0.0007" – 0.007"  
0.0178 mm – 0.1778 mm

###### Base Foil

- Rolled Annealed Copper Foil  
0.5 oz. – 6.0 oz.
- Metal Thickness:  
0.0007" – 0.0084"  
0.0178 mm – 0.2134 mm

##### **Standard Plating**

- Overall thickness, two sides:  
0.25 micron – 3 microns  
10 microinches – 120 microinches
- Maximum width: 26", 660 mm
- Roll size: 100 lbs. – 400 lbs  
45 kg. – 180 kg.
- Differential coatings available

#### NICKEL-PLATED COPPER FOIL

##### **Applications**

- Electronic Devices
- Flexible Connectors
- Medical
- Military Shielding
- Aerospace
- Automotive

##### **Benefits**

- Corrosion Resistant
- Enhanced Bonding
- Consistent Plating Thickness

##### **Specifications**

###### Base Foil

- Electrodeposited Copper Foil  
0.5 oz. – 5.0 oz.
- Metal Thickness:  
0.0007" – 0.007"  
0.0178 mm – 0.1778 mm

###### Base Foil

- Rolled Annealed Copper Foil  
0.5 oz. – 6.0 oz.
- Metal Thickness:  
0.0007" – 0.0084"  
0.0178 mm – 0.2134 mm

##### **Standard Plating**

- Overall thickness, two sides:  
0.50 micron – 2 microns  
20 microinches – 80 microinches
- Maximum width: 26", 660 mm
- Roll size: 100 lbs. – 400 lbs.  
45 kg. – 180 kg.
- Differential coatings available

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