

ZINC PLATING

ASTM B633 | ASTM F-1941

Economical sacrificial coating that protects steel from corrosion; chromate/passivate adds color and salt-spray life.

Types: Type I/II/III/IV/V - Acid & Alkaline - Type IV Phosphate - Colorless & colored passivate (RoHS), colored chromate (Non-RoHS)

TANK: Up to 120" x 36" x 72"

ZINC PHOSPHATE

MIL-DTL-16232 (Type Z)

Heavy zinc-base phosphate conversion coating for ferrous parts; an excellent base for oil or paint and anti-galling in cold forming.

Types: Class 1 (preservative), Class 2 (oil per MIL-PRF-16173 Gr 3 / MIL-PRF-3150), Class 3 (none), Class 4 (converted, may be dyed) - gray to black

TANK: 24" x 24" x 36"

ELECTROLESS NICKEL

MIL-C-26074 | ASTM B733 | AMS 2404

Current-free nickel-phosphorus deposit giving uniform thickness on complex geometry, bores, and threads.

Types: Mid Phos (5-9%) - RoHS compliant - Rack or Barrel plating

TANK: 36" x 18" x 30"

CHEM FILM

MIL-DTL-5541

Chemical conversion coating for aluminum; corrosion protection plus an excellent paint base.

Types: Type I Yellow (hex chrome, Non-RoHS), Type II Clear (trivalent/ELV, RoHS) - Class 1A

TANK: 120" x 36" x 60"

PASSIVATION (STAINLESS)

AMS 2700 | ASTM A380 | ASTM A967 | QQ-P-35

Dissolves free iron and restores the chromium-oxide layer on stainless with no dimensional change.

Types: Citric and Nitric processes

TANK: Citric 72" x 24" x 36" / Nitric 24" x 24" x 36"

SILVER PLATING

QQ-S-365 | ASTM B700

Best electrical conductor of the plated metals, with excellent lubricity and solderability.

Types: Bright Silver, Matte Silver (non-decorative), Anti-Tarnish

TANK: 24" x 24" x 30"

TIN PLATING

MIL-T-10727 | ASTM B545

Soft, ductile deposit chosen for solderability, corrosion resistance, and anti-galling.

Types: Bright or Matte tin - Barrel or Rack plating

TANK: 72" x 24" x 48"

ZINC-NICKEL PLATING

ASTM B841 | AMS 2417

High-performance alloy with far better corrosion resistance than zinc alone, especially at elevated temperature.

Types: Low alloy (5-12% Ni) & High alloy (12-16% Ni) - Clear/Black passivate (RoHS), Iridescent bronze chromate

TANK: Low 72" x 36" x 48" / High 120" x 30" x 72"

BRIGHT NICKEL PLATING

QQ-N-290 | ASTM B689

Versatile deposit for corrosion protection and engineering build-up; corrosion resistance scales with thickness.

Types: RoHS compliant - Rack or Barrel plating

TANK: 72" x 36" x 48"

SULFAMATE NICKEL

QQ-N-290 | ASTM B689

Low-stress, ductile nickel ideal for electroforming, build-up, and solderability.

Types: RoHS compliant - Rack or Barrel plating

TANK: 30" x 32" x 20"

CADMIUM PLATING

AMS-QQ-P-416C

Sacrificial coating with natural lubricity and excellent marine corrosion resistance; compatible with aluminum.

Types: Passivate options: Clear, Yellow, and Olive Drab

TANK: 25" x 24" x 41"

ANODIZING

MIL-A-8625 Type II & III

Sulfuric and hard anodize for corrosion resistance, wear surfaces, and dyeing on aluminum alloys.

Types: In-stock colors: Clear, Black, Gray, Gold, Red, Blue, Green, Copper - other colors on request

TANK: 120" x 36" x 60"

GOLD PLATING

ASTM B488 | MIL-DTL-45204

Precious-metal deposit for electronics - outstanding conductivity, contact reliability, and tarnish resistance.

Types: Over nickel underplate typical - connectors, contacts

TANK: 12" x 12" x 18"

DRY FILM LUBE

MIL-PRF-46010

Resin-bonded solid-film lubricant (MoS2) for low friction and anti-galling on sliding-motion parts.

Types: Applied over phosphate / anodize / chem film base

BLASTING

Surface Preparation & Finishing

Abrasive blasting for surface prep, cleaning, and finish texture prior to plating or coating.

Types: Glass Bead - Aluminum Oxide - Sand

OTHER SERVICES OFFERED: Masking - Bright Dip on Copper & Brass - Degreasing - Pickling

FOR REFERENCE USE ONLY. Always verify specifications against the current revision of each referenced standard. Gleco Plating, Inc. is not responsible for errors in application.

GLECO PLATING, INC. | glecoplating.com | info@glecoplating.com

Dallas: 2220 Grisham Dr., Rowlett TX 75088 - (972) 475-4300

McAllen: 3800 W. Ursula Ave., McAllen TX 78503 - (956) 800-4069