



PLATING PROCESSES & PRODUCTS AT A GLANCE

- Acid, Alkaline, Cyanide Zinc
- Zinc Alloy
- Electroless Nickel
- Tin & Cadmium
- Chromates, Sealers & Topcoats
- Cleaners & Pickle Additives
- Phosphates
- Wastewater Treatment
- Salt Spray Testing Solutions

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ZINC PLATING PROCESSES

Zinc Plating

COLSID K-250, EXTREME 110 for acid zinc/potassium chloride (non-ammoniated)
COLSID AP, EXTREME 210, 310 for acid zinc containing ammonium chloride
COLZINC ACF-II, EXCEL 800 for alkaline non-cyanide zinc
COLGLO 255, 300, 550, 750 for cyanide zinc

Chromates for Zinc

COLDIP TRI-V, 120, 121 trivalent blue-bright zinc chromates
COLDIP Satin Zinc 900 trivalent satin-look zinc chromate
SpectraMATE 25 trivalent thick-film/iridescent zinc chromate
SpectraMATE 151CFT trivalent thick-film/iridescent cobalt-free zinc chromate
SpectraMATE 21 trivalent iridescent zinc chromate
TRIVECTA BLACK 300 trivalent black zinc chromate
note: dyes and hexavalent chromates are also available

Alloy Zinc Plating & Chromates

COLLOY NI-Z POSIT for alkaline zinc-nickel
COLLOY CO-Z POSIT for alkaline zinc-cobalt
COLLOY I-Z POSIT for alkaline zinc-iron
COLDIP TRI-V ZnNi TRUE BLUE 1000 trivalent deep blue chromate for zinc-nickel
COLDIP NI-Z TRI-BLUE 100 trivalent blue bright chromate for zinc-nickel
TRIVECTA NI-Z BLACK 70 trivalent black chromate for zinc-nickel

Sealers, Topcoats & Rinse-Aids

Zinc-Chro-SHIELD thin-film inorganic topcoat for added corrosion resistance
Zinc-Chro-SHIELD AFTERBLACK 200 topcoat for hexavalent/silver black chromates
Zinc-Chro-PELLENT thin-film topcoat repels water & humidity
Lac-Chro-SEAL non-solvent lacquer prevents finger prints; improves corrosion resistance
COLFIN RINSE-AID RI added to final rinse; contains rust inhibitor for unplated surfaces

Cleaners, Phosphates & Pickle Additives

COLCLEAN SOAK 200, 200 NC, 250 hot alkaline soak cleaners
COLCLEAN ELECTRO 400, 420, alkaline electrocleaners
COLCLEAN SAP surfactant package for hot alkaline soak cleaner; just add NaOH
COLCLEAN ELA surfactant package for electrocleaner; just add NaOH
COLPHOS Zn 30 low sludge-forming zinc phosphate
Pickle Pal & Pickle Pal Plus additives/inhibitors for improved acid pickling

Tin & Cadmium Plating

COLGEAM Sn – bright acid tin
COLMATTE Sn – matte acid tin
COLCAD 100 – cyanide cadmium approved by Boeing

Electroless Nickel Plating

MARQUEE BMP bright mid-phos EN
MARQUEE HP high phos EN
MARQUEE ENVY MP lead-free/cadmium-free ELV compliant mid-phos EN

Wastewater Treatment

COLTREAT CAT 1 cationic waste treatment polymer
COLTREAT CCCP 08 aluminum based coagulant
COLTREAT CCFLOC 01, 02 anionic flocculants
COLTREAT CCMS 16 alkaline sulfide based metal precipitant

Salt Spray Testing Cabinet Solutions

COLTEC DI, S-5 certified ISO distilled water and 5% salt solution

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