

IRIDITE NCP

Chrome Free Conversion Coating for Aluminum Immersion Application

DESCRIPTION: The Iridite NCP, Non Chrome Passivate has been developed in response to the **ELV, RoHS** and **WEEE** directives. The **IRIDITE NCP** does not contain, Lead, Cadmium, Chromium (hexavalent or trivalent), Mercury PBB or PBDE compounds. **IRIDITE NCP** is an environmentally friendly chemical process that produces a protective conversion coating on aluminum and its alloys. The coating can be used as a final finish or can also serve as a base for paints, high performance topcoats, powdercoats, lacquers, or as a base for rubber bonding.

The working range of **IRIDITE NCP** is very flexible. Suitable adjustments of the concentration can accommodate wide variations in immersion time, the corrosion protection desired and the alloy to be treated. The Process tank is big to accommodate large parts

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- FEATURES:**
- Elimination of the use of hazardous hexavalent chromium.
 - Provides corrosion protection that rivals conventional chromate conversion coatings when tested in accordance with ASTM B 117.
 - The conversion coating passes the requirement of MIL-C 5541 for electrical contact resistance for Class 3 coatings.
 - Wide operating time, temperature and concentration ranges.
 - Provides excellent paint base, or primer, for subsequent organic treatments when tested in accordance with ASTM D 3359.
 - No aging or curing required before topcoat application.
 - Baking of treated parts does not affect the coating as with traditional chromates.
 - Rinsing the IRIDITE NCP coated aluminum in hot water does not compromise the corrosion resistance of the coating.
 - Reduced waste treatment costs when compared to chromates.