

IRIDITE

Aluminium Conversion Coating

Description

A Non-chrome passivate to comply with the ELV, RoHS and WEE directives. The Iridite does not contain lead, cadmium, chromium (hexavalent or trivalent). Mercury or PBB / PBDE compounds.

The process is environmentally friendly chemical that produces a protective conversion coating on aluminium and its alloys. This coating exhibits bare, unpainted, corrosion resistance that is equal to hexavalent chromates on many aluminium alloys.

Iridite can be used as a final finish or as a base for paints, topcoats, powder paints, lacquers or as a base for rubber bonding.

The process Features are:

- Corrosion protection that rivals conventional chromate conversion coatings when tested in accordance with ASTM B 117.
- Eliminates the use of hexavalent and trivalent chromium.
- Provides an excellent primer.
- No aging or curing required before topcoat.
- Baking of treated parts up-to 350 Degrees C does not affect the coating as with traditional yellow chromates.

Appearance

The Iridite coating is normally clear at low coating weights, to a light blue colour at its highest coating weight. There are times the coating is iridescent due to refraction of light by the conversion coating. The colour is very dependent on processing conditions, substrate and customer requirements.

Performance

Typical salt spray results range from a minimum of 96 hours to first white to 168 hours to first white corrosion.