

Iridite NCP

Surface Conditioning Systems

Chrome-Free Passivation For Aluminium

MacDermid Iridite NCP is an environmentally safe, chrome-free passivation treatment designed specifically for aluminium alloys. It applies a highly corrosion-resistant conversion coating ideally suited to be painted or left as a stand-alone corrosion resistant barrier.

Iridite NCP is an innovative new process that offers extremely high resistance to corrosion, tested to 1000 hours on many aluminum alloys. Iridite NCP also has the ability to withstand high temperatures, so it is suitable for use on items with high operating temperatures such as automotive engine components and electronic heat sinks. This unique property, not found in chromates, also allows applicators to increase the temperature of their dry-off ovens prior to painting, increasing throughput and productivity. Unlike traditional Chromate treatments that require up to 24 hours to cure to a hard film, Iridite NCP provides a hard amorphous crystalline coating as formed.

For new chrome free technology that meets all environmental standards, count on the company that says "Yes We Can." MacDermid.



Key Features

- Bare corrosion resistance without painting, even after heating or baking
- Excellent adhesion to paints, sealants and adhesives
- Environmentally compliant—contains no hexavalent or trivalent chromium compounds
- Simple application using spray, immersion or flood methods
- Drop in replacement for chromating—no line modifications needed

YES WE CANSM

 **MacDermid**
Industrial Solutions

Iridite NCP

Surface Conditioning Systems

Corrosion Performance							
Aluminium Alloy	5052	6022	3003	1100	6111	6061	A356
Salt Spray Hours							
Iridite NCP	1000+	1000+	1000+	1000+	1000+	1000+	576
Chromate	1000+	1000+	168	432	432	648	1000+

New Technology That Passes All Tests

In comparative corrosion tests on the most common aluminium alloys, **Iridite NCP** significantly outperforms chromate coatings, passing over 1000 hours neutral salt spray on all but the highest copper containing alloys. The electrical conductivity of Iridite NCP is comparable with conventional chromate coatings, so it is the perfect pretreatment system for most electrical grounding applications. And with excellent paint adhesion characteristics, Iridite NCP is able to pass all standard paint industry corrosion and adhesion tests.

Iridite NCP

<1.0 mOhms/in2

Passes MIL-C-81706

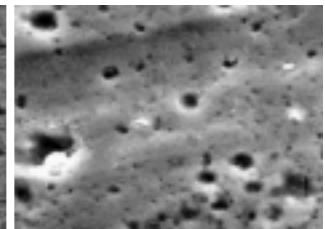
Chromate

< 5.0 mOhms/in2

Passes MIL-C-81706



Iridite NCP treated aluminum



Chromate treated aluminum

YES WE CANSM

It takes more than innovative, high performance products and superior technical service to help our customers compete and win in today's global marketplace. It takes a total commitment to understanding their needs and the ability to provide the right solutions—every time.

When success is your only goal, trust the company that says "Yes We Can."



For more information, please contact us at:

245 Freight Street, Waterbury, CT 06702

Phone: 203.575.5600

www.macdermid.com/industrial