

NiKlad Ice Ultra

Electroless Nickel Coatings

Widest Choice Of Friction With Consistent Performance.

NiKlad Ice Ultra, the electroless nickel PTFE composite coating from MacDermid. This coating allows the codeposition of a thin hard nickel phosphorus alloy containing lubricating PTFE particles. **NiKlad Ice Ultra** deposits evenly and consistently on all metallic substrates. Even the most complex components can be plated with as thin as 2 - 3 microns deposit.

NiKlad Ice Ultra deposits have a PTFE content from as little as 3%, to as high as 35% (by volume). The amount required can be adjusted to suit the particular application. Which ever alloy is chosen, the deposits can be **Lead Free** and **RoHS, ELV, WEEE** compliant.

When you need low friction composite EN deposits, count on MacDermid.



Key Features

- **Wide range of PTFE content possible - giving flexibility to match your particular application**
- **Long Life - NiKlad Ice Ultra solutions last much longer than previous PTFE/Electroless Nickel Solutions**
- **Low Particle Size - leading to an extremely consistent dispersion e deposit**
- **Meets ELV 2000/53/EC, WEEE 2002/96/EC, RoHS 2002/95/EC, and all other OEM restricted reportable substance requirements**

NiKlad Ice Ultra

Electroless Nickel Coatings

From Start To Finish, MacDermid Orchestrates Everything For You

NiKlad Ice Ultra Total Cycle Responsibility

Reliability

- Due to the smaller particle size of the PTFE in the Ice Ultra, the stability of the PTFE is improved giving better consistency in the deposit



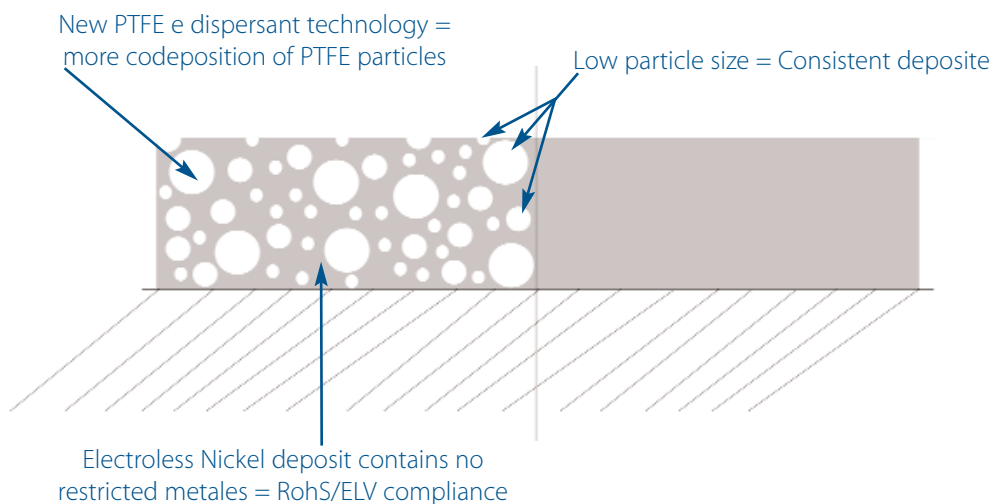
Environment

- The Ice Ultra is completely free of PFOS and PFOA wetters, and the electroless nickel is RoHS compliant and a process can be offered which is completely lead free.



Operating Range

- The Ice Ultra can provide the widest operating range of PTFE content, the smaller particles mean that consistently obtaining either very low or high concentrations in the deposit is easily achieved.



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 MacDermid.

For more information, please contact us at:

prodinfo@macdermid.com

www.macdermid.com/industrial