

ZinKlad™ 250

Hexavalent Chromium-Free Coatings



The Industry Standard For Performance Consistency

ZinKlad 250 was one of the first hexavalent chromium-free coatings to be adopted by global automotive manufacturers. Introduced at the beginning of the new millennium, it continues to deliver excellent corrosion resistance and consistent performance.

Specified by global automotive manufacturers including Ford, GM and VW-Audi, today there are more than 50 application lines around the world producing **ZinKlad 250**.

ZinKlad 250 can be applied to all steel components requiring sacrificial protection. Its primary use is to satisfy fastener engineers' need for a reliable and cost effective coating with a consistent coefficient of friction.

When it comes to providing protection automotive engineers rely on, **ZinKlad 250** delivers.

KEY FEATURES

- Production Proven for More than 10 Years
- Excellent Corrosion Resistance
- Consistent Performance
- Extensively Specified
- Global Availability



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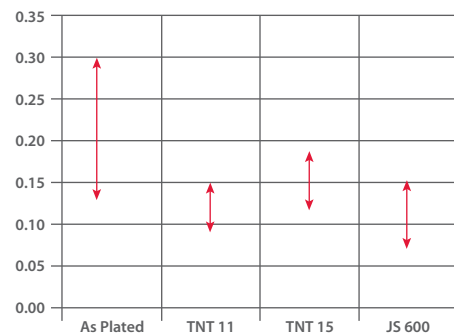
ZinKlad 250 Performance Data

ZinKlad 250 combines an homogenous metallic zinc deposit of 8 microns minimum thickness, with a high build iridescent passivate and clear topcoat.

The zinc deposits are applied from our range of **Envirozin** and **Kenlevel** zinc electroplating processes. MacDermid **TriPass ELV** range of high build trivalent passivate films impart a silver- iridescent color, whilst extending corrosion resistance against the formation of white rust. **HydroKlad** and **Torque'n'Tension** topcoats provide increased corrosion resistance. **Torque'n'Tension** topcoats also modify surface properties to ensure uniform torque and clamping characteristics.

Corrosion Performance (ASTM B-117)		
	First White Corrosion	First Red Corrosion
ZinKlad 250	120 h	384 h

CoF - MacDermid Friction Control Fluids on Zinc Electroplate



Recommended Processes Used To Create ZinKlad 250 Coatings

Zinc	Provides the sacrificial protection
Envirozin	Alkaline, exceptional deposit distribution
Kenlevel	Acid, brightest deposits and fast plating speeds
Trivalent Passivates	Protects the zinc deposit from white rust
TriPass ELV 2000	Excellent corrosion resistance even with short immersion times
TriPass ELV 1500LT	Excellent corrosion resistance, low temperature application
Topcoat	Improves corrosion resistance and modifies friction properties
Torque 'N' Tension 11	Average CoF 0.11, range 0.09 – 0.15 for fasteners
Torque 'N' Tension 15	Average CoF 0.15, range 0.12 – 0.18 for fasteners
HydroKlad	Recommended for larger (rack) plated components



For more information, please contact us at:

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