

# ZinKlad™ 240

Hexavalent Chromium-Free Coatings



## High Performance Finish for Castings and Presswork

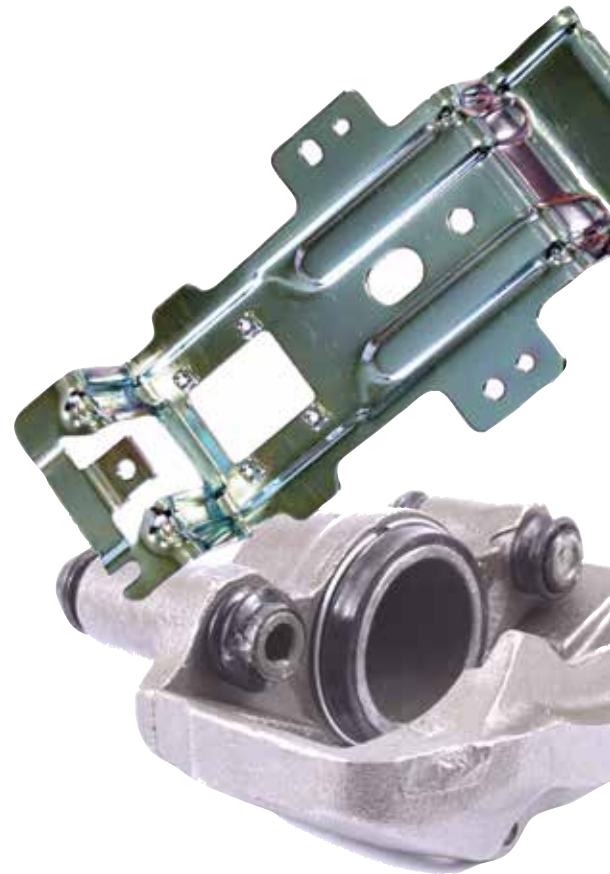
**ZinKlad 240** is a clear/iridescent hexavalent chromium-free coating. It has been specifically developed to meet the automotive requirements for corrosion resistance on larger components such as brake castings, presswork and tubes. If required **ZinKlad 240** can be applied to threaded parts not requiring specific coefficient of friction properties.

**ZinKlad 240** is a 'drop in' process suitable for most zinc electroplating lines. The special inorganic topcoat is unlubricated, making it compatible with brake fluid. This topcoat also has the advantage of drying without drip marks or staining and providing protection even after post-plate deformation.

When it comes to providing corrosion resistance with a bright deposit appearance, **ZinKlad 240** delivers.

## KEY FEATURES

- Brake Fluid Compatibility
- Excellent Corrosion Resistance
- Stain and Drip Free Finish
- Consistent Performance
- Global Availability



# ZinKlad™ 240

Hexavalent Chromium-Free Coatings



**ZinKlad 240** 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. These are formulated to provide uniform, bright and ductile zinc deposits that rapidly achieve minimum thickness for optimum coverage.

The zinc systems are completed with the application of **TriPass ELV 1500 LT** high build trivalent passivate which imparts a silver-iridescent color, whilst extending corrosion resistance against the formation of white rust.

**HydroKlad SI** topcoat is then applied to provide increased corrosion resistance, even after post-plate deformation.

As **HydroKlad SI** does not contain polymers the resulting film has reduced droplets when compared to other coatings.

Corrosion Performance (ASTM B-117)		
	First White Corrosion	First Red Corrosion
ZinKlad 240	120 h	384 h

Recommended Processes Used To Create ZinKlad 240 Coatings	
<b>Zinc</b>	<b>Provides the sacrificial protection</b>
<b>Envirozin</b>	Alkaline, exceptional deposit distribution
<b>Kenlevel</b>	Acid, brightest deposits and fast plating speeds
<b>Trivalent Passivates</b>	<b>Protects the zinc deposit from white rust</b>
<b>TriPass ELV 1500LT</b>	Excellent corrosion resistance, low temperature application
<b>Topcoat</b>	<b>Improves corrosion resistance and modifies friction properties</b>
<b>HydroKlad SI</b>	Inorganic topcoat with brake fluid compatibility



For more information, please contact us at:  
**Email:** [isenquiries@macdermidenthone.com](mailto:isenquiries@macdermidenthone.com)  
[www.macdermidenthone.com/industrial](http://www.macdermidenthone.com/industrial)  
© 2018 MacDermid.

Version 2.0 - 13/03/18