

# ZinKlad® 96



## High gloss finish or undercoat for organic coatings

**ZinKlad 96** is a versatile sacrificial coating which finds use as either a corrosion resistant 'chromium-like' decorative finish or to provide a base for an organic paint coating. Specified by global automotive manufacturers including Ford, GM and VW-Audi, today there are more than 30 application lines around the world producing **ZinKlad 96** every day.

**ZinKlad 96** can be applied to all steel components requiring sacrificial protection. When applied with a thin film TriPass passivate it gives a brilliant, bright blue color. A typical application is for threaded components as an alternative to chromium plating. Alternatively when used with a high build TriPass passivate it provides an excellent base for further organic paint finishes.

When it comes to providing protection and paint adhesion, automotive engineers choose **ZinKlad 96**.



### Features

- Global availability
- Low total film thickness
- Consistent performance
- Excellent organic paint adhesion
- Production proven for more than 10 years

**Already on it.**



# ZinKlad 96

## Hexavalent chromium-free coatings

### Performance Data

**ZinKlad 96** combines an homogenous metallic zinc deposit of 8 microns thickness, with a TriPass trivalent chromium passivate. A clear topcoat can be applied depending on the application.

Following the zinc coating, automotive engineers specify either:

- A thin film **TriPass ELV** trivalent passivate followed by a clear **HydroKlad** or **Torque'n'Tension** topcoat to provide increased corrosion resistance and modify surface properties to ensure uniform torque and clamping characteristics.

- High build trivalent passivate to ensure excellent corrosion resistance and the adhesion of a subsequent organic paint film.

Corrosion Performance (ASTM B-117 / ISO-9227)		
	First white corrosion	First red corrosion
<b>ZinKlad 96</b>	72 h	240 h

Recommended processes used to create ZinKlad 96 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 Blue</b>	Thin film passivate with good corrosion resistance and blue chromium-like appearance
<b>TriPass ELV 1500LT</b>	Excellent corrosion resistance high build passivate, low temperature application
<b>TriPass ELV 2000</b>	Excellent corrosion resistance high build passivate
<b>Topcoat</b>	<b>Improves corrosion resistance and modifies friction properties</b>
<b>Torque 'N' Tension 15</b>	Average CoF 0.15, range 0.12 – 0.18 for fasteners
<b>Torque 'N' Tension 11</b>	Average CoF 0.11, range 0.08 – 0.14 for fasteners
<b>HydroKlad</b>	Recommended for larger (rack) plated components



For more information, please contact us at:

**Email:** [info@esiauto.com](mailto:info@esiauto.com)

[esiauto.com](http://esiauto.com)

© 2020 ESI Automotive

ESIA/B013-2020