

ZinKlad™ 96

Hexavalent chromium-free coatings



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 15 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**.

KEY FEATURES

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



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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)		
	First white corrosion	First red corrosion
ZinKlad 96	72 h	240 h

Recommended processes used to create ZinKlad 96 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 Blue	Thin film passivate with good corrosion resistance and blue chromium-like appearance
TriPass ELV 1500LT	Excellent corrosion resistance high build passivate, low temperature application
TriPass ELV 2000	Excellent corrosion resistance high build passivate
Topcoat	Improves corrosion resistance and modifies friction properties
Torque 'N' Tension 15	Average CoF 0.15, range 0.12 – 0.18 for fasteners
Torque 'N' Tension 11	Average CoF 0.11, range 0.09 – 0.13 for fasteners
HydroKlad	Recommended for larger (rack) plated components



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