

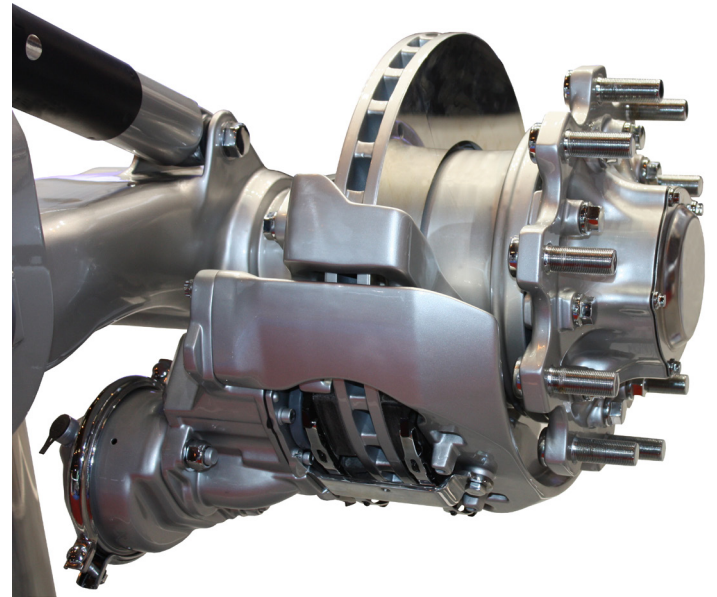
ZinKlad® Brake 240



Globally consistent high quality and cost efficient coating

ZinKlad Brake 240 coatings provide cost efficient, highly uniform silver colored finishes to cast iron parts meeting the automotive requirements for zinc finished brake components. The coating is fully compliant with global regulations including ELV and the REACH legislation.

ZinKlad Brake 240 is an acidic zinc based finishing process suitable for industrial standard zinc electroplating equipment. Along the finish sequence from cleaning to the final finish of the cast iron component, the complete process is optimized and proven to deliver unrivaled first pass yields setting an industry standard in productivity and quality consistency. Beyond the chemical process our comprehensive ZinKlad program provides unrivaled quality assurance at the application level to certainly meet specified requirements in any production location globally.



When it comes to providing corrosion resistance with an attractive silver appearance, **ZinKlad Brake 240** delivers globally consistent finish quality.

Features

- Appealing silver coating
- Boric acid and cobalt-free solution available
- Global availability, globally consistent quality
- Fluid compatible, heat and UV resistant finish

Already on it.



ZinKlad Brake 240

Worldwide consistent quality zinc finish for brake components

Performance Data

ZinKlad Brake 240 combines an uniform metallic zinc deposit of 8 µm minimum thickness, with a highly protecting passivate and clear, inorganic brake component sealer.

METEX and ACTANE pre-treatment solution selected for highly economic and efficient cleaning of the cast iron component ensure safe and consistent surface conditioning prior to the coating process.

The zinc deposit is applied from our ammonium-free and (optionally) boric acid-free electrodeposition processes optimized towards highest efficiency and uniformity on cast iron materials.

Finally, the sealer from the **ENSEAL** product range complements the system, further reinforcing corrosion protection even after mechanical stress is exerted to the component. The inorganic sealers are formulated to provide even coverage and superior reduced residue droplet formation.

| Corrosion Performance (ASTM B-117 / ISO-9227) | | |
|---|-----------------------|---------------------|
| | First white corrosion | First red corrosion |
| ZinKlad Brake 240 | 120 h | 480 h |

| Recommended processes used to create ZinKlad Brake 240 coatings | |
|---|---|
| Zinc | Provides the cathodic corrosion protection to the brake component |
| ENTHOBRITE CLZ-941 | Fast initiation and coverage providing best LCD performance also at elevated bath temperature |
| ENTHOBRITE CLZ-970 | Economic, extensively proven acid zinc process |
| Kenlevel BF2 | Boric acid-free acidic zinc process, fastest plating rates at high current densities |
| Trivalent Passivates | Protects the zinc deposit from white rust |
| TriPass ELV 3300 | Cobalt-free zinc thick film passivate |
| TriPass ELV 1500 LT | Low temperature, thick film passivate, economic application conditions (35° C) |
| Topcoat | Reinforces corrosion protection |
| ENSEAL 4BRK | State-of-the-art reactive sealer, fluid compatible, very even coatings, uniform protection and appearance through reduced residue formation |



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