







## zinc-nickel

### highly corrosion resistant

The electro plated zinc-nickel alloy (12 to 15% nickel) is particularly successful in areas with the requirement of extremely high corrosion protection under high temperature loads. Classic applications of parts with zinc-nickel-coatings are the engine compartment, chassis and the underbody area in automotive as well as offshore applications. Parts subject to high temperature loads resist against starting base material corrosion in the salt spray test according to DIN EN ISO 9227 for more than 1000 hours. The posttreatment with selected topcoats enables to substantially increase the corrosion resistance and the resistance against chemical substances.

### advantages

-  **high level of corrosion resistance of finishing coat and base metal**
-  **prevents contact corrosion of steel parts combined with aluminium**
-  **excellent long-term corrosion protection under high thermal loads**
-  **selective coating possible**



### outstanding advantages in the automotive industry

Under the name **Novatec 300** ff you get a zero-chromium (VI) passivation in a quality that meets or even overachieves all requirements in automotive and surface finish standards. This corrosion protection system, developed by HOLDER, is temperature-resistant. The protective effect remains completely unaffected in surroundings with high thermal loads, e.g. in the engine compartment or in the brake systems. This corrosion protection system is eco-friendly and well approved.



### technical data

- **suitable material**
  - steel
  - iron cast
- **corrosion resistance**
  - according to DIN EN ISO 9227 – NSS
  - > 360 h without white rust
  - > 720 h without red rust
- **curing-passivation**
  - rack: transparent (thick film passivation and thin film passivation)
  - barrel: transparent (thick film passivation and thin film passivation)
- **curing – facultative**
  - sealing with or without slip additives
  - TOPCOATS
  - lubricant treatment
  - preservation of uncoated inner areas, e.g. tubes
  - heat treatment for hydrogen de-ambritlement
- **zero-chromium(VI) passivation**
  - **Novatec 300 to 330**
- **zero-chromium(VI) surfaces**
  - **TRICOAT** black
  - **TRICOAT** silver
- **products:**
  - ZinKlad 1000
  - ZinKlad 1000 B
  - Gleitmo 605
  - Torque'n Tension

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### Holder GmbH Oberflächentechnik

Maria-Merian-Strasse 1  
 DE-73230 Kirchheim/Teck  
 tel. +49 (0)7021.5704-0  
 fax +49 (0)7021.5704-22  
 info@holder-oft.de



[www.holder-oft.de](http://www.holder-oft.de)