



OPAL •

Alkaline zinc-nickel processes
for highest standards

JADE •

Acid zinc-nickel process
for highest standards

OPAL & JADE

Beautiful Zinc/Nickel Surfaces



**KIESOW
DR. BRINKMANN**

ZINC-NICKEL

Our processes are convincing due to very good covering power with a homogeneous nickel incorporation rate of 12 - 15 % within the whole current density range.

The zinc-nickel layers can be provided unproblematically with transparent, blue and black passivation.



OPAL 5000

- » Optimal for barrel use
- » Outstanding throwing power
- » Impressive efficiency
- » Robust and resistant
- » Low brightener consumption
- » Simple and operationally reliable handling

OPAL 7000

- » Optimal for rack application
- » Proper metal distribution even in the case of demanding components
- » High burning resistance
- » Light and appealing deposits
- » Bright and matt mode of operation possible
- » Good deformability

JADE - ACID ZINC-NICKEL

JADE 1000

- » For barrel and rack application
- » Good seeding on cast metal and hardened materials
- » Homogeneous nickel incorporation distribution in a wide current density range
- » Very good throwing and covering power
- » High and stable clouding point
- » Low foaming with air agitation
- » Ammonium-free system



Passivation Systems for Functional Layers

Our PROSEAL series is a specially developed passivation system for the finishing of zinc and zinc alloy coatings, which meets the highest standards.

By means of post treatment with our SURFASEAL sealing agents the corrosion protection is considerably improved

The adjustment of the coefficients of friction is also possible.





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