

**STAINLESS STEEL APPEARANCE**ZINC-NÍQUEL COATING

Process: Zinc-Nickel

Application: Barrel

INOXGAL Process

Coating that offers a very high corrosion protection in a part made of steel, due to its composition in zinc-nickel alloy and at the same time offers a similar appearance to high quality stainless steel.

We recommend this solution when you want to give the appearance of stainless steel to a steel part, looking for a cost reduction and an acceptable corrosion protection (comparable to stainless steel). It is also an interesting option if the parts cannot be manufactured in stainless steel due to their shape or geometries.

The Zinc Nickel coating, with a thickness of 10 to 15 microns, has a passivation of Eco-Tri® ONE that withstands 150 hours of white corrosion according to DIN ISO 9227 and the corrosion of the base metal only occurs after more than 720 hours CTS test. It provides a coefficient of 0.18 to 0.25 μ tot. When this finish is applied, the part gets its shiniest appearance

On this finish other sealers can also be applied to increase corrosion protection, or adjust the coefficient of friction that will be proposed according to your needs

CORROSION

- White Corrosion 300 hours
- Red Corrosion + 1000 hours

COEFFICIENT OF FRICTION

- Coefficient 0.08 to 0.18 μ tot

ASPECT

Depending on the type of sealing, the gloss can be modified. It is **IMPORTANT** to note that this coating copies the substrate, so, the final brightness of the part will be related to the appearance of the part when received from our customers according to:

- | | |
|----------------------------|-------------|
| - Polished mirror | very bright |
| - With micro imperfections | less bright |
| - With oxidation | low bright |

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