

Zinc Nickel

Zinc-nickel (ZnNi) 12-15% is a surface treatment layer for extreme applications. It is an electrolytic, inorganic, corrosion-protective coating system suitable for application on fasteners and structural components used in highly corrosive environments.

Suitable application areas

Screw connections, fasteners, fittings, as well as pipe and plate constructions in extremely corrosive environments/applications.

Properties

Contributes to a more sustainable life cycle for your product.

Extremely good corrosion protection properties even with thin coatings $>5 \mu\text{m}$.

Does not create galvanic corrosion in aluminium joints.

Has a low potential difference, which relates to the amount of energy required to move an electrical charge from one point to another.

The application temperature range is $< +300^\circ\text{C}$

Abrasion resistance is hardness 450HV.

Meets the nickel emissions requirements according to SS-EN 1811.

Friction-controlled with sealer/topcoat.

Complies with ELV and RoHS directives.

Can be applied by hanging or drum application methods.

Corrosion Performance

> 720 hours to base material corrosion according to ISO 9227 (NSS).

A sealer provides increased corrosion protection.

Complies with VOLVO STD 121-0003 Y1000-4, 121-0004 Y2000-4, 121-0006 Y400-4, 121-0013 Y1300-4, 121-0015 Y1500- samt Scania 4111-B(C)3-IF.

Appearance

Iridescent semi-glossy silver-blue finish
or iridescent black



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Do you have an RFQ? Please email : sales.finishing@protonfinishing.com