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P1000® provides long-term protection from corrosion for your metal components. The unique combination of zinc and aluminum, immobilised in a polymerised organic matrix guarantees corrosion protection that is many times higher than a zinc layer of the same thickness. This high-quality coating, initially developed by and for the automotive industry, has now been introduced into the general metallurgical industry.



P1000®

P1000® is an environmentally friendly coating which protects your components from corrosion. With only 6 to 8 µm it guarantees protection that amply exceeds 1000 hours of salt-spray test.

Because of its thin and uniform layer thickness, it is the ideal solution for nuts and bolts without interfering with their fit. The presence of a lubricant in the coating ensures smooth assembly.

P1000® solves frequently occurring problems for you. Do you also encounter high costs as a result of the removal of drops of zinc, or do you have to finish nuts and bolts after treatment to make them serviceable? With P1000® these problems are things of the past: no dripping, screw threads fit and there is no need for after-tapping!

As an alternative to stainless steel, parts can now be made in steel economically and treated with P1000®.

Since applying P1000® is done in a non-electrolytic way, Hydrogen embrittlement is completely excluded.

The mechanical properties of components are not affected thanks to the relatively low treatment temperature (< 250°C). Therefore there is no deformation or loss of mechanical properties.

Because of its favourable price and its special properties, P1000® is an economical and technically superior alternative to existing treatments.

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P2000®

You can order P2000®, a corrosion resistance of 2000 hours salt spray test is guaranteed with the same properties.

■ Technical aspects

- Corrosion resistance: > 1000 h. Salt Spray test (DIN 50 021, Renault D17 1058, ASTM B 117).
- Layer thickness: 6-8 µm.
- Color: Silver grey.
- Contains a lubricant to lower the friction coefficient.
- No risk of Hydrogen embrittlement.
- Curing temperature < 250°C => no loss of mechanical properties .
- For the corrosion-protection of small AND large parts.
- Meets ELV (2000/53/CE) directive: free of Chromium, Cadmium, Nickel, Lead, Mercury and Molybdenum.
- Meets RoHS (2002/95/CE directive).
- Meets ISO 10683.
- Temperature resistance by VDA 235-104: 200°C.
- Friction coefficient cf. DIN EN ISO 16047: 0,15 µ tot +/-0,03.