



**GBprotect
metal**
Anti-corrosion
coating

***Nano**Technology
for excellent surfaces*



GBneuhaus provides a corrosion protection coating, developed and tailored for the special requirements of industrial customers. **GBprotect metal** combines excellent protection against corrosion with a thin layer and high transparency.

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GBprotect metal

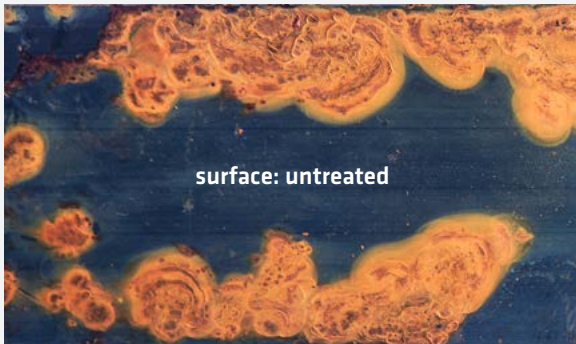
Anti-corrosion coating

SUBSTRATES

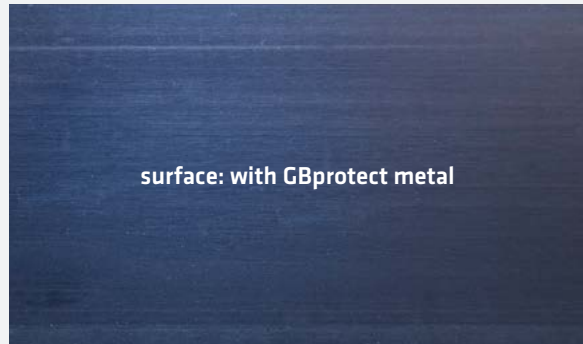
- » metals and alloys (e. g. steel, aluminium, copper, brass)

PROPERTIES

- » protection of components against aggressive environmental influences
- » standard:
 - › salt spray test (according to DIN EN ISO 9227)
 - › strain in condensed water climate (according to DIN EN ISO 6270-2)
- » option:
 - › customisation to specific corrosive environments
 - › customisation to specific substrates and compound structures
 - › combinable with antimicrobial (SANPURE®) and/or hydrophobic features
- » maximum temperature load: 200 °C
- » film thickness from 150 up to 1.500 nm
- » no change in haptic and optic quality of substrate
- » scratch-resistant (scratch hardness according to DIN EN ISO 1518: up to 20 N; pencil hardness according to DIN EN ISO 15184: up to 10 H)
- » abrasive hardness (cross-cut test according to DIN EN ISO 2409)
- » chemical-proof to customary detergents and disinfection methods
- » transparent, individually coloured on request
- » mechanically flexible



surface: untreated



surface: with GBprotect metal

TECHNOLOGY

- » dip coating or spraying
- » application process is defined individually according to geometry and requirements of the substrate

COATING

- » certified according to REACH and RoHS
- » certified according to ISO 9001:2015; processes comply with IATF 16949
- » environmental management conforms to ISO 14001


GB neuhaus
NANO COATING SURFACE

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