

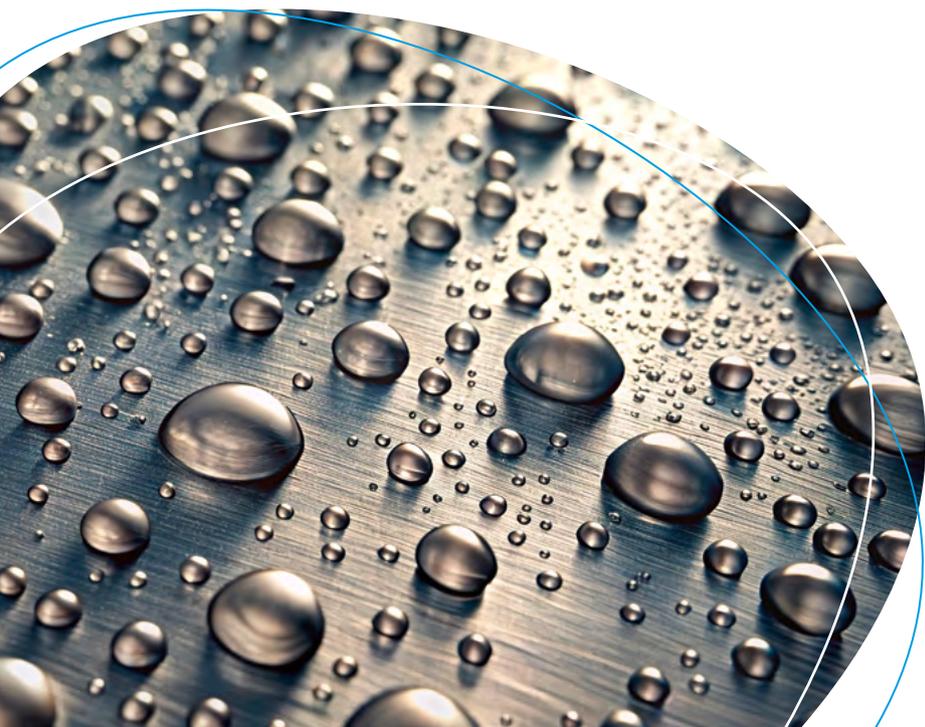
AQUACER 1062

Anionic wax emulsion for temporary corrosion protection

Bare metal surfaces are exposed to particularly high stresses during storage and shipment – the salt content in seawater and sea air, as well as condensation caused by extreme temperature fluctuations, promote corrosion. These conditions require effective temporary corrosion protection that can be easily removed from the metal surface afterwards.

With AQUACER 1062, BYK offers a new wax additive for temporary corrosion protection that also meets the highest

optical requirements. With its excellent wetting and film-forming properties, it forms a protective layer on the metal surface, thereby preventing contact with moisture. It does not impair the optical properties of the surfaces and is therefore also suitable for applications on black metal surfaces. In addition, it is easy to use, can be applied to the metal surface by dipping, spraying, or spinning, and can be easily removed under alkaline conditions.



Benefits

- Excellent corrosion protection
- Good adhesion to metal
- Great wetting and film-forming properties on metal
- Easy handling and application
- Suitable for a wide range of metal surfaces (e.g. steel, nickel, aluminum, non-ferrous metals); also suitable for black surfaces
- Miscible with water in any ratio (pH > 8.5)
- Dry film thickness adjustable via viscosity
- Easily removable under alkaline conditions
- Can be combined with silicates or other resins, but can also be used alone

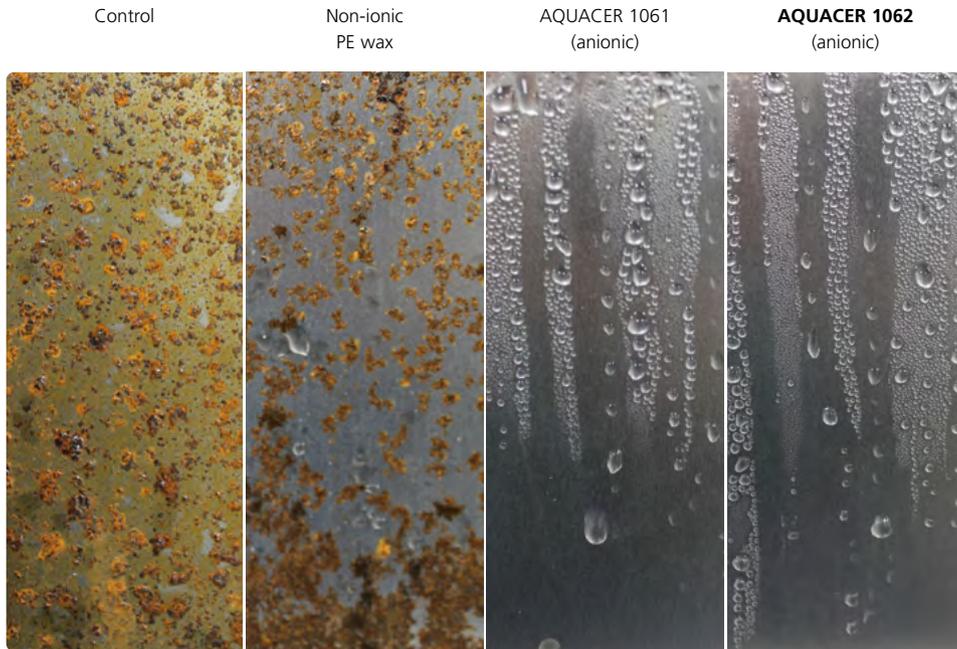
Areas of application

- Lubricants and mold release
- Coil coatings
- General industrial coatings

Technical data

- Ethylene-acrylic-acid copolymer wax emulsion
- Non-volatile matter (60 min, 125 °C): 22 %
- Carrier: water
- Melting point (wax content): 95 °C
- pH value: 9

Condensation water test: Very good corrosion protection with AQUACER 1062 after 5 weeks



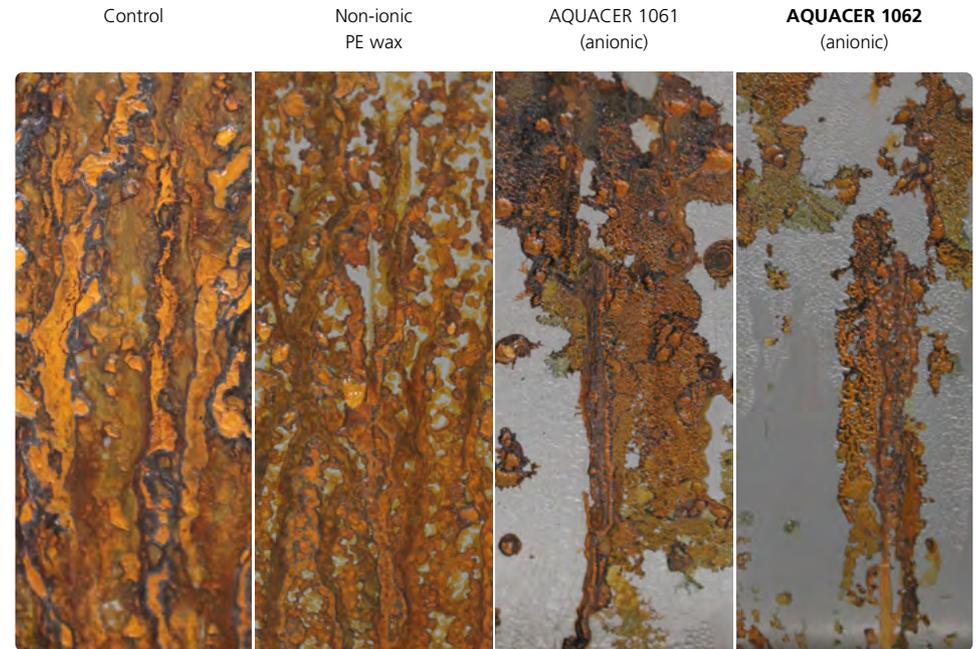
Test substrate: Q-PANEL R-46 (matte, roll-milled steel)

Additive dosage: pure wax emulsion diluted to a solid content of 10 %

Test method: condensation water test (DIN EN ISO 6270-2), film dried for 3 min at 80 °C

(dry film thickness: 1–5 µm), pictures taken after 5 weeks

Salt spray test: Significantly improved corrosion protection with AQUACER 1062 after 24 hours



Test substrate: Q-PANEL R-46 (matte, roll-milled steel)

Additive dosage: pure wax emulsion diluted to a solid content of 20 %

Test method: salt spray test (DIN EN ISO 9227:2012), film dried for 3 min at 80 °C

(dry film thickness: 10–20 µm), pictures taken after 24 hours



Your local contact

BYK-Chemie GmbH
Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0

info@byk.com
www.byk.com

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