

AQUACER 1062

Anionic wax emulsion based on an ethylene-acrylic acid copolymer wax for temporary corrosion protection of metal parts.

Product data

Composition

Ethylene-acrylic-acid (EAA) copolymer wax emulsion

Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

pH value:	9
Non-volatile matter (60 min, 125 °C):	22 %
Carrier:	water
Melting point (wax content):	95 °C
Viscosity (23 °C, D=800/s):	< 300 mPa·s
Delivery form:	emulsion

Storage and transportation

Product shelf life in unopened original packaging: 15 months

Temperature sensitive. To be stored and transported between 5 °C and 35 °C. Stir before use.

Applications

Lubricants and mold release

Special features and benefits

AQUACER 1062 is recommended for electroplating applications and metal surface treatments. When applied to metal surfaces, AQUACER 1062 forms a protective film that prevents corrosion with good adhesion to metal. It is particularly suitable for galvanized steel (passivated or non-passivated) as well as for non-galvanized steel, nickel, aluminum, and other non-ferrous metals. Its behavior with other metals must be tested on a case-by-case basis. The additive is miscible with water in all proportions, provided that the pH value remains above 8.5. The corrosion protection of metal sheets treated with AQUACER 1062 can be further improved by adding silicates or typical emulsions such as acrylates, styrene acrylates, or polyurethanes. The thickness of the dry film can be adjusted via the viscosity. The protective film formed by AQUACER 1062 can be easily removed under alkaline conditions.

Recommended levels

10-20 % wax content based on the total formulation, when AQUACER 1062 is used alone.

3-10 % wax content based on the total formulation, when AQUACER 1062 is used in combination with silicates or other resins.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

AQUACER 1062 can be applied by dipping, spraying, or spinning. For spray applications, a solid content of > 10 % is recommended.

Coatings industry

Special features and benefits

AQUACER 1062 is recommended for electroplating applications and metal surface treatments as temporary corrosion protection, where the additive forms a protective film. It is particularly suitable for galvanized steel (passivated or non-passivated) as well as for non-galvanized steel, nickel, aluminum, and other non-ferrous metals. Its behavior with other metals must be tested on a case-by-case basis. The additive is miscible with water in all proportions, provided that the pH value remains above 8.5. The corrosion protection properties of metal sheets treated with AQUACER 1062 can be further improved by adding silicates or typical resin emulsions such as acrylates, styrene acrylates, or polyurethanes. The dry film layer thickness can be adjusted via the viscosity. The protective film formed by AQUACER 1062 can be easily removed under alkaline conditions.

Recommended use

Coil coatings	<input checked="" type="checkbox"/>
General industrial coatings	<input type="checkbox"/>

especially recommended recommended

Recommended levels

10-20 % wax content based on the total formulation, when AQUACER 1062 is used alone.

3-10 % wax content based on the total formulation, when AQUACER 1062 is used in combination with silicates or other resins.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

AQUACER 1062 can be applied by dipping, spraying, or spinning. For spray applications, a solid content of > 10 % is recommended. Stir well before use. When used in with resins, the product should be added while stirring and incorporated thoroughly.



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