

AQUACER 562

Beeswax-based wax emulsion to enhance the surface protection and functional barrier properties in aqueous paper coatings and to improve the surface properties of aqueous care products and polishes.

Product data

Composition

Non-ionic aqueous beeswax emulsion

From bio-based
raw materials

Typical properties

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

pH value:	6.5
Non-volatile matter (60 min, 125 °C):	40 %
Carrier:	water
Melting point (wax content):	65 °C
Bio-based carbon content (ASTM D6866):	90 %

Storage and transportation

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

Applications

Paper coatings

Special features and benefits

AQUACER 562 provides excellent liquid and water vapor resistance in aqueous functional barrier coatings. Additionally, it reduces the oxygen transmission of certain systems and improves the grease resistance.

Recommended levels

5–30 % additive (as supplied) based on the total formulation.

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

Incorporation and processing instructions

The additive should preferably be mixed well before use to avoid any inhomogeneity. AQUACER 562 should be added using a low shear rate and preferably before incorporating surface-active substances.

Homecare and I&I

Special features and benefits

AQUACER 562 covers any minor scratches and restores the color of the surfaces. The low melting point of beeswax makes it possible to polish using a soft cloth without mechanical tools. The additive can be mixed with other wax emulsions (e.g., carnauba wax) to optimize the properties.

Recommended use

Furniture polishes	<input checked="" type="checkbox"/>
Plastic care products	<input checked="" type="checkbox"/>
Wooden floorboards and cork	<input checked="" type="checkbox"/>
Leather care/shoe polishes	<input checked="" type="checkbox"/>
Car polishes	<input type="checkbox"/>

especially recommended recommended

Recommended levels

2–12 % additive (as supplied) based on the total formulation.

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

Incorporation and processing instructions

The wax additive is preferably added while stirring after mixing the polymers with the plasticizers and water, but before incorporating surface-active substances.



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