AQUACER 1021

Emulsion based on an EVA-copolymer wax for improving the surface properties of aqueous care products. Especially recommended for use with high-speed polishing machines.

Product Data

Composition
Non-ionic emulsion of a modified EVA copolymer wax

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

Non-volatile matter:	40 %
Carrier:	Water
Melting point (wax content):	105 °C
Viscosity (20 °C):	< 100 mPa·s
pH value (20 °C):	8.5

Food Contact Legal Status
For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

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

Applications

Care Products and Polishes

Special Features and Benefits
AQUACER 1021 is based on a wax mixture with extremely good adhesion to many floorings. The wax emulsion improves the buffability, increases filling capacity and produces an anti-slip effect. The above-mentioned properties are generated by mixing AQUACER 1021 with polymers in a ratio of 3:1 (solid wax to solid polymer). A mixing ratio of 1:6 increases the water- and alcohol-resistance, the protection against heel marks (= foot traffic resistance), and the dirt-repellent action.

Recommended Use
AQUACER 1021 is used in self-shine emulsions and wax cleaners. As a result of its good adhesion to many floorings, AQUACER 1021, in a 1:1 blend with water, is especially recommended for use with high-speed polishing machines (400-2000 rpm). The high rotation speed results in high local temperatures, which cause the film to flow, thereby repairing old, damaged wax coatings. The new coating has a higher gloss and an improved anti-slip effect.

Recommended Levels

5-10 % additive (as supplied) based upon total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

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

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