AQUACER 8940

Emulsion based on a modified polypropylene wax for improving the surface properties of aqueous care products. Provides strong anti-slip effect and good dirt repulsion. In aqueous leather finishes it produces an anti-slip and anti-tack effect.

AQUACER 8940 is only available in USA, Mexico and Canada.

Product Data

Composition
APEO-free, nonionic modified polypropylene emulsion

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

Non-volatile matter (ASTM D2834):	40 %
Carrier:	Water
Melting point (wax component):	160 °C (320 °F)
Viscosity (25 °C, Brookfield DV-I):	< 150 mPa·s
pH value (ASTM E70):	9

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
Keep from freezing. To be stored and transported at a temperature between 5 °C (41 °F) and 35 °C (95 °F).

Applications

Care Products and Polishes

Special Features and Benefits
AQUACER 8940 improves the buffability, increases filling capacity and produces a strong anti-slip effect. The above-mentioned properties are generated by mixing AQUACER 8940 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. AQUACER 8940 is compatible with all known polymer dispersions and plasticizers. AQUACER 8940 is usually used in conjunction with a high density polyethylene emulsion to optimize rub resistance while maintaining the desired slide angle.

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Recommended Use
AQUACER 8940 is recommended for aqueous self-shine emulsions. AQUACER 8940 is used as an anti-slip agent in the formulation of hard, slip resistant floor finishes, where it is usually combined with a high density polyethylene emulsion for optimum wear resistance. AQUACER 8940 is also recommended as an anti-slip additive to water based corrugated coatings, where it will increase the slide angle without reducing gloss.

Recommended Levels
2.5-7 % 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. Stir well before use.

Leather Finishes

Special Features and Benefits
In aqueous leather finishes the additive produces an anti-slip and anti-tack effect.

Recommended Levels
2.5-7 % 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 additive can be added at any time during the production process under agitation. Stir well before use.

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