AQUACER 8030

Emulsion based on a HD polyethylene wax for improving the surface properties of aqueous coatings, printing inks, care products and polishes.

AQUACER 8030 is only available in USA, Mexico and Canada.

Product Data

Composition
APEO-free, nonionic emulsion of an oxidized high density polyethylene wax

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

Non-volatile matter (ASTM D2834):	35 %
Carrier:	Water
Melting point (wax component):	140 °C (284 °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

Coatings and Printing Inks

Special Features and Benefits
The additive improves the scratch resistance in aqueous coatings; it increases the abrasion resistance in printing inks in particular. Surface slip and block resistance are also improved.

Recommended Use

Architectural coatings	□
Printing inks and overprint varnishes	■

■ especially recommended □ recommended

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Care Products and Polishes

Special Features and Benefits
AQUACER 8030 improves the buffability and black heel mark resistance. The above mentioned properties are generated by mixing AQUACER 8030 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 8030 is compatible with all known polymer dispersions and plasticizers.

Recommended Use
AQUACER 8030 is recommended for polymer-rich self-shine emulsions and polishes. It is normally used at a 20/80 to 30/70 ratio in conjunction with AQUACER 8841, an ethylene acrylic acid emulsion, or at a 50/50 ratio with AQUACER 8940, a modified polypropylene emulsion.

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. Stir well before use.

Additive Guide

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