AQUACER 1075

Emulsion based on an HD polyethylene wax to improve the surface properties of aqueous care products and polishes, and aqueous printing inks.

Product data

Composition
APEO-free, non-ionic emulsion of an HD polyethylene wax

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

pH value:	9,5
Non-volatile matter (60 min, 125 °C):	35 %
Solvents:	water
Melting point (wax content):	130 °C
Viscosity (23 °C, D=800/s):	< 100 mPa·s

Storage and transportation
Temperature sensitive. To be stored and transported at temperatures between 5 °C and 35 °C.

Applications

Care Products and Polishes

Special features and benefits
AQUACER 1075 improves the mechanical resistance, increases the filling capacity and produces an anti-slip effect. The above-mentioned properties are generated by mixing the additive 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, protects against foot traffic (= foot traffic resistance) and the dirt pick-up effect. AQUACER 1075 is compatible with all known polymer dispersions and plasticizers.

Recommended use
AQUACER 1075 is recommended for use in self-shine emulsions and polishes.

Recommended levels
2–5 % additive (as supplied) based on the 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 with stirring after blending the polymers with the plasticizers and water, but before the incorporation of surface-active substances.

Aqueous Printing Inks

Special features and benefits
AQUACER 1075 improves abrasion resistance and reduces the coefficient of friction in printing inks or overprint varnishes.

Recommended levels
2–5 % additive (as supplied) based on the 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 should be incorporated using a low shear rate. Mix well before use.

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