AQUACER 1013

VOC-free HDPE-based wax emulsion for improving the surface protection in aqueous coatings and printing inks as well as in aqueous care products and polishes.

Product Data

Composition
Non-ionic emulsion of an oxidized HD polyethylene wax

VOC-free (< 1500 ppm)

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

Non-volatile matter (60 min., 125 °C):	35 %
Carrier:	Water
Melting point (wax content):	135 °C
Viscosity (23 °C, D=800/s):	60 mPa·s
pH value:	9.2

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.

Applications

Liquid Coatings

Special Features and Benefits
The additive improves the scratch resistance in aqueous coatings. The black heel resistance is increased in parquet coatings.

Recommended Use

Architectural coatings	■
Wood coatings	■

■ especially recommended □ recommended

Recommended Levels
1-6 % additive (as supplied) based on the total formulation – in exceptional cases up to 8 %.

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 preferably be incorporated at the end of the production process using low speed agitation. Mix well before use.

AQUACER 1013

Data Sheet
Issue 09/2016

Printing Inks

Special Features and Benefits
The additive improves the scratch resistance and scrub resistance.

Recommended Use
For aqueous printing inks and overprint varnishes.

Recommended Levels
3-14 % 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 preferably be be incorporated at the end of the production process using low speed agitation. Mix well before use.

Care Products and Polishes

Special Features and Benefits
AQUACER 1013 is compatible with all known polymer dispersions, resin solutions, plasticizers, film-forming agents and surfactants. The wax emulsion is characterized by good polishability and its dirt-repellent effect. The above-mentioned properties are generated by mixing with polymers in a ratio of 3:1 (solid wax to solid polymer). Mixing at a ratio of 1:6 increases the water and alcohol resistance, scuff resistance and the protection against shoe heel marks (= foot traffic resistance).

Recommended Use
AQUACER 1013 is used in self-polishing floor care products for all types of floors, e.g. for hard floor surfaces such as stone, granite, and marble, as well as soft floors such as parquet, PVC, linoleum and rubber.

Recommended Levels
5-10 % 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
AQUACER 1013 is preferably added after mixing the polymers with the plasticizers and water but prior to incorporating surface-active substances, while stirring. Mix well before use.

BYK Additive Guide

Available on the App Store

Google play

BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com