

AQUACER 2650

Wax emulsion based on carnauba wax for aqueous thermal transfer systems, car care products and aqueous leather coatings.

Product Data

Composition

Non-ionic emulsion of a carnauba wax

Typical Properties

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

Non-volatile matter:	30 %
Carrier:	Water
Melting point (wax content):	185 °F
Viscosity (73 °F, D=800/s):	< 15 mPa·s
pH value:	4.5

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 / 41 °F and 35 °C / 95 °F. Mix well before use.

Applications

Thermal Transfer Ribbons

Special Features and Benefits

AQUACER 2650 improves the thermal transfer, the printing sharpness, the gloss and the rub resistance in aqueous thermal transfer ink ribbons and hot stamping foils.

Recommended Levels

1-50 % 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 post-added using a low shear rate. The product must be stirred before use.

Care Products and Polishes

Special Features and Benefits

AQUACER 2650 seals and thereby covers any minor scratches on the surface that is to be treated and restores the color of the surface. The melting point of 85 °C (185 °F) means that the wax emulsion can easily be polished up using a soft terry cloth or microfiber cloth, but polishing with mechanical tools is also possible.

Recommended Use

AQUACER 2650 is recommended for maintaining and protecting all types of surfaces, for coated and uncoated surfaces and also for plastics.

Recommended Levels

3-15 % additive (as supplied) based on the total formulation.

A higher dosage is possible, however the polishability must be checked in this case. 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 incorporated during any stage of the production process whilst stirring. Surface-active substances must be added at the end of the production process, as otherwise the maintenance product formulation has a tendency to foam during production.

Special Note

It is possible to combine with other wax emulsions (beeswax, montan ester, paraffin, and PE wax), in order to increase the performance of the care product formulation.

Leather Coatings

Special Features and Benefits

Using AQUACER 2650 with leather coatings will achieve the burnishing effect. The additive improves water repellency and anti-blocking in aqueous coatings; it also increases the surface slip.

Recommended Levels

3-7 % 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 post-added using a low shear rate. Mix well before use.



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