

# AQUACER 2650

Wax emulsion on the basis of carnauba wax for aqueous thermal transfer systems, ink ribbons, and hot-stamping foils.

## Product data

### Composition

Non-ionic aqueous emulsion based on carnauba wax

### Typical properties

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

pH value:	4.5
Non-volatile matter:	30 %
Carrier:	water
Melting point (wax content):	85 °C
Viscosity (23 °C):	< 15 mPa·s

### Storage and transportation

Temperature sensitive. To be stored and transported between 5 °C and 35 °C. 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. The optimum dosage should be determined by application-related test series.

#### Incorporation and processing instructions

The additive should preferably be post-added using a low shear rate. The product must be stirred before use.

### Home care and I&I

#### 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 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. The optimum dosage should be determined by application-related test series.

**Incorporation and processing instructions**

The additive can be incorporated during any stage of the production process whilst stirring. Surfaceactive 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 finishes and coated fabrics****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. The optimum dosage should be determined by application-related test series.

**Incorporation and processing instructions**

The additive should preferably be post-added using a low shear rate. Mix well before use.

**Paper coatings****Special features and benefits**

AQUACER 2650 provides resistance to water vapour and grease in functional barrier coatings. In addition, it can also offer an improvement in blocking and slip control.

**Recommended levels**

5–30 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

**Incorporation and processing instructions**

The additive should preferably be mixed well before use to avoid any inhomogeneity. AQUACER 2650 should be added using a low shear rate and preferably before incorporating surface-active substances.



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