

AQUACER 535 N

Modified paraffin wax emulsion to improve the surface properties of aqueous coating systems, printing inks and overprint varnishes and also for use as a lubricant in aqueous glass fiber sizing.

Product data

Composition

Non-ionic emulsion of modified paraffin wax

Typical properties

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

pH value:	10
Non-volatile matter (60 min, 125 °C):	30 %
Carrier:	water
Melting point (wax content):	105 °C
Viscosity (23 °C, D=400/s):	25 mPa·s

Storage and transportation

Temperature sensitive. To be stored and transported between 5 °C and 35 °C. Mix well before use.

Applications

Glass fiber sizing

Special features and benefits

AQUACER 535 N can be used as a lubricant and for the protection of fiberglass and other fibrous reinforcing materials. The wax additive produces a lubricating effect and protects the fibers both during the fiber production and further processing of the fibers as well as in the composite formulation. The product also increases the anti-blocking properties and water resistance of the sizing formulation.

Recommended levels

1–5 % (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 incorporated at low stirring speeds. Stir until evenly distributed before use.

Coatings industry, printing inks and overprint varnishes**Special features and benefits**

The additive has a hydrophobic effect in aqueous coating systems and printing inks and improves anti-blocking. It increases surface slip, scratch and abrasion resistances, and creates a soft-feel effect.

Special note

Recoatibility and intercoat adhesion must be verified in multi-layer systems, particularly if high dosages are used (> 4 % additive (as supplied) based on the total formulation).



**Your local
contact**

BYK-Chemie GmbH
Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

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