

AQUACER 571

Modified rice bran wax emulsion to improve the surface properties of care products, polishes, and aqueous coating systems.

Product data

Composition

Non-ionic emulsion of a rice bran wax

VOC-free (< 1500 ppm)

Typical properties

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

pH value:	9.75
Non-volatile matter (60 min., 125 °C):	25 %
Carrier:	Water
Melting point (wax content):	80 °C
Viscosity (23 °C, D=800/s):	< 50 mPa·s
Bio-based carbon content (ASTM D6866):	92 %

Storage and transportation

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

Special note

AQUACER 571 is free from microplastics.

Applications

Household, industrial and institutional applications

Special features and benefits

AQUACER 571 increases the surface protection of care products and polishes. Using the additive in formulations improves in particular the mechanical stability of the surfaces, which makes it a suitable microplastic-free alternative to polyethylene waxes. AQUACER 571 also considerably strengthens the hydrophobicity and the oleophobicity of care products and polishes.

The melting point of 80 °C means that the wax emulsion can easily be polished using a soft cloth (e.g. microfiber cloth), even when using mechanical tools. AQUACER 571 is free from microplastics and manufactured using bio-based resources.

Recommended use

AQUACER 571 is recommended for maintaining and protecting all types of surfaces and particularly for use in aqueous care products and polishes.

Floor polishes	☒
Leather care products	☒
Furniture polishes	☐
Car polishes	☐

☒ especially recommended ☐ recommended

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

AQUACER 571 can be incorporated during any stage of the production process while stirring. It is advisable to add the additive at the end of the process at low shear.

Special note

It is possible to combine the product with other wax emulsions to increase the performance of the care product formulation.

Coatings industry**Special features and benefits**

AQUACER 571 increases scratch resistance and improves anti-blocking in aqueous systems, while having no significant effect on gloss or transparency. It is also very easy to incorporate. The additive is manufactured using bio-based resources and is therefore suitable for preparing more sustainable formulations.

Recommended use

Architectural coatings	☒
Wood and furniture coatings	☐

☒ especially recommended ☐ recommended

Recommended levels

1–10 % 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 to the coating using a low shear rate. Mix well before use.



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This issue replaces all previous versions.