

AQUACER 549

Paraffin wax emulsion for improved surface characteristics in aqueous coatings and for the use as an internal mold release agent for fiberboard production.

Only available in North America.

Product data

Composition

Non-ionic emulsion based on modified paraffin wax

Typical properties

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

pH value:	9.5
Non-volatile matter (60 min, 125 °C):	35 %
Carrier:	water
Melting point (wax content):	90 °C
Viscosity:	≤ 100 mPa·s
Delivery form:	liquid

Storage and transportation

Product shelf life in unopened original packaging: 15 months

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

Applications

Coatings industry

Special features and benefits

The additive has a hydrophobic effect and improves antiblocking. It increases surface slip, scratch resistance, abrasion resistance and provides a soft feel effect.

Recommended use

Architectural coatings	<input checked="" type="checkbox"/>
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especially recommended recommended

Recommended levels

1-3 % additive (as supplied) based on the total formulation – in exceptional cases up to 4 %.

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 into the coating at the end of the production process at a low shear rate. Mix well before use.

Lubricants and mold release

Special features and benefits

AQUACER 549 can be used as a mold release agent in fiberboard and chipboard production. The best results are achieved when used as an internal release agent in PMDI-based binder systems.

Recommended use

Medium-density fiberboard (MDF)	<input checked="" type="checkbox"/>
Chipboards	<input checked="" type="checkbox"/>

especially recommended recommended

Recommended levels

1.1 % additive (as supplied) based on dry mass of wood fiber.

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 be added after boiling and separating the wood fibers via the blower line.



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