

Technical data sheet

ALBERDINGK® LUX 250

Characteristic:

Aqueous, anionic, UV-crosslinkable dispersion based on an aliphatic polyester-polyurethane.

Specification:

Solids content	%	39.0 - 41.0
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According to:

ISO 3251
0.5 g weighed quantity at
105°C

pH- value		6.5 - 8.0
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Viscosity	mPas	10 - 150
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ISO 976

ISO 2555, Brookfield RVT
Spindle 1/rpm 20/factor 5

Further typical data*:

MFFT	°C	ca. 0
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Density	g/cm ³	1.0 - 1.1
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According to:

ISO 2811-1

Film properties*:

Pendulum hardness (König) after UV-curing	s	ca. 160
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Pendulum hardness (König) before UV-curing	s	ca. 20
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According to:

ISO 1522

ISO 1522

Highlights:

- fast flash-off time before UV-curing
- physically drying before UV-curing
- scratch resistance
- hardelastic
- good chemical resistance
- high gloss

Applications:

Radiation curing primers and lacquers for wood and plastics.

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Curing recommendations:

Photoinitiator (e.g. Omnirad 500 (former Irgacure 500)): 1% on the delivered form.

Belt speed: 5 - 10 m/min., 1 Hg-lamp 80 W/cm

Storage:

In originally closed containers ALBERDINGK-dispersions are stable when stored at 20°C for 6 months after delivery date. The recommended temperature-range for storage is 5 - 30°C. Freezing or storage at higher temperatures than 30°C, can affect the viscosity or the average particle size and finally lead to a sedimentation or coagulation. A contamination with bacteria, fungi or algae can damage the product irreversibly. The product is only preserved for the transport. For a longer storage time, we recommend to add additional preservative. A warranty for the sterility after storage can not be granted. ALBERDINGK BOLEY GmbH assures that the data mentioned under "specification" are stable for 6 months after delivery date, if the product is stored under the recommended conditions. A longer storage does not mean that the product is not usable anymore, but we recommend to check the specification data before use. A warranty after 6 months of storage can not be given by ALBERDINGK BOLEY GmbH. The product should be stirred well before use.

Packaging:

plastic drums (120 kg)

one-way container (approx. 1000 kg)

as bulk in tank cars, by agreement.

Safety:

For further information on product safety please refer to the current safety data sheet.

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Notice:

* General information - the values can not be considered as part of the product specification.