

Technical data sheet

ALBERDINGK® LUX 220

Characteristic:

Water based, solvent free, UV curing polyurethane dispersion

Specification:

Solids content	%	34.0 - 36.0	According to: ISO 3251 0.5 g weighed quantity at 105°C
pH- value		7.0 - 9.0	ISO 8534
Viscosity	mPas	20 - 200	ISO 2555, Brookfield RVT Spindle 1/rpm 50/factor 2

Further typical data*:

MFFT	°C	ca. 0	According to:
Density	g/cm ³	1.0 - 1.1	ISO 2811-1
Solvent-free			

Film properties*:

Pendulum hardness (König) after UV-curing	s	ca. 180	According to: ISO 1522
Pendulum hardness (König) before UV-curing	s	ca. 50	ISO 1522

Applications:

Highly suitable for coatings on wood and PVC with very high chemical resistance. Thanks to its high film hardness, the dispersion can be used especially for pigmented coatings and on-site UV cure varnishes. Furthermore, it offers a very high crosslinking density which yields in films offering very high abrasion resistance, stain resistance and solvent resistance.

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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.