

Preliminary technical data sheet*

ALBERDINGK® LUX 220 VP

Characteristic:

Water based, solvent free, UV curing polyurethane dispersion

Specification:

Solids content	%	34.0 - 36.0	According to: DIN EN ISO 3251 0.5 g weighed quantity at 105°C
pH- value		7.5 - 9.0	DIN ISO 976
Viscosity	mPas	20 - 200	ISO 1652, Brookfield RVT Spindle 1/rpm 20/factor 5

Further typical data*:

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

Film properties*:

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

Curing recommendations:

Photoinitiator (e.g. Irgacure 500): 1% on the delivered form.
Belt speed: 5 - 10 m/min., 1 Hg-lamp 80 W/cm

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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.

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.

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 actual material safety data sheet.

Notice:

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