

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 Viscosity	mPas	7.0 - 9.0 20 - 200	ISO 8534 ISO 2555, Brookfield RVT Spindle 1/rpm 50/factor 2
Further typical data*:			According to:
MFFT	°C	ca. 0	
Density	g/cm3	1.0 - 1.1	ISO 2811-1
Solvent-free			
Film properties*:			According to:
Pendulum hardness (König)	S	ca. 180	ISO 1522
after UV-curing			
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 it's 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.

Latest update	Alberdingk Boley GmbH Düsseldorfer Str. 53 47829 Krefeld Germany
23.11.2017	Phone +49 2151 528-0 Fax +49 2151 573643 info@alberdingk-boley.de www.alberdingk-boley.de
Page 1 of 3	Alberdingk Boley, Inc. Greensboro, NC, USA www.alberdingkusa.com
	Alberdingk Resins (Shenzhen) Co.Ltd. Shenzhen City, P.R. China www.alberdingkchina.com
	The details contained herein are based on our present state of technology and shall inform on our products and their application possibilities. A lawful binding assurance of certain attributes or the suitability for a concrete operation purpose cannot be derived from thisinformation. Industrial property rights are to be considered if required.

ALBERDINGK BOLEY

Technical data sheet

ALBERDINGK® LUX 220

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.

property rights are to be considered if required.

Safety:

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

 Latest update
 Alberdingk Boley GmbH | Düsseldorfer Str. 53 | 47829 Krefeld | Germany

 23.11.2017
 Phone +49 2151 528-0 | Fax +49 2151 573643 | info@alberdingk-boley.de | www.alberdingk-boley.de

 Page 2 of 3
 Alberdingk Boley, Inc. | Greensboro, NC, USA | www.alberdingkusa.com

 Alberdingk Resins (Shenzhen) Co.Ltd. | Shenzhen City, P.R. China | www.alberdingkchina.com

 The details contained herein are based on our present state of technology and shall inform on our products and their application possibilities. A lawful binding assurance of certain attributes or the suitability for a concrete operation purpose cannot be derived from thisinformation. Industrial



Technical data sheet

ALBERDINGK® LUX 220

Notice:

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

Latest update 23.11.2017

Alberdingk Boley GmbH | Düsseldorfer Str. 53 | 47829 Krefeld | Germany Phone +49 2151 528-0 | Fax +49 2151 573643 | info@alberdingk-boley.de | www.alberdingk-boley.de

Page 3 of 3

Alberdingk Boley, Inc. | Greensboro, NC, USA | www.alberdingkusa.com Alberdingk Resins (Shenzhen) Co.Ltd. | Shenzhen City, P.R. China | www.alberdingkchina.com

The details contained herein are based on our present state of technology and shall inform on our products and their application possibilities. A lawful binding assurance of certain attributes or the suitability for a concrete operation purpose cannot be derived from this information. Industrial property rights are to be considered if required.