

Technical data sheet

ALBERDINGK® LUX 399

Characteristic:

An aqueous, anionic, UV-crosslinkable dispersion based on an aliphatic polyurethane and acrylic acid esters copolymer.

Specification: Solids content	%	44.0 - 46.0	According to: ISO 3251 0.5 g weighed quantity at 105°C
pH- value Viscosity	mPas	6.5 - 7.5 10 - 500	ISO 976 ISO 2555, Brookfield RVT Spindle 1/rpm 20/factor 5
Further typical data*: MFFT Solvent-free	°C	ca. 0	
Film properties*: Pendulum hardness (König) after UV-curing Pendulum hardness (König) before UV-curing	S S	ca. 110 ca. 10	According to: ISO 1522 ISO 1522
U.s. Kabba			

Highlights:

- very good reemulsifiability / cleanability before UV-curing
- very good appearance on wood
- high film filling
- good resistances
- very good blocking stability
- very good sandability
- short flash-off time

Latest update 06.09.2016	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 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

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Applications:

Radiation curing lacquer for wood and plastics with very high resistances. Particularly suitable for application by spray robot. Excellent adhesion to 100% UV-systems and plastics like ABS, PA, PC, PS or PVC.

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.

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Safety:

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

Notice:

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

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