ALBERDINGK BOLEY

Technical data sheet

ALBERDINGK® LUX 481

Characteristic:

Aqueous, anionic, UV-crosslinkable dispersion based on aliphatic polyester polyurethane and copolymer of acrylic acid esters.

Specification:			**According to:**
Solids content	%	39.0 - 41.0	ISO 3251 0.5 g weighed quantity at 105°C
pH- value		7.0 - 8.0	ISO 976
Viscosity	mPas	10 - 500	ISO 2555, Brookfield RVT Spindle 1/rpm 20/factor 5

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) after UV-curing	s	ca. 100	ISO 1522
Pendulum hardness (König) before UV-curing	s	ca. 25	ISO 1522

Highlights:

- physically drying before UV-curing
- excellent coffee and redwine resistance in pigmented lacquers
- very good scratch and chemical resistances
- very high blocking resistance

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

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

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Applications:
Radiation curing lacquer and primer with very high chemical and dyestuff resistances for wood, plastic and metal. Also crosslinkable with polyisocyanate (e.g. Baydydur XP 2487/1). Especially suitable for pigmented lacquers.

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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