

# Technical data sheet

### ALBERDINGK® LUX 250

#### **Characteristic:**

Specification:

Aqueous, anionic, UV-crosslinkable dispersion based on an aliphatic polyester-polyurethane.

Specification:			According to:
Solids content	%	39.0 - 41.0	ISO 3251
			0.5 g weighed quantity at
			105°C
pH- value		6.5 - 8.0	ISO 976
Viscosity	mPas	10 - 150	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
Film properties*:			According to:
Pendulum hardness (Kö	nig) s	ca. 160	ISO 1522
after UV-curing			
Pendulum hardness (Kö	nig) s	ca. 20	ISO 1522
before UV-curing			

According to:

#### **Highlights:**

- fast flash-off time before UV-curing
- physically drying before UV-curing
- scratch resistance
- hardelastic
- good chemical resistance
- high gloss

#### **Applications:**

Radiation curing primers and lacquers for wood and plastics.

Latest update 06.05.2025

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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.



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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.

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