



A B

D

E

F

Alberdingk Boley GmbH  
Düsseldorfer Str. 53  
47829 Krefeld, Germany  
Phone: +49/2151/528-0  
Fax: +49/2151/57 36 43

Alberdingk Boley, Inc.  
6008 High Point Road  
Greensboro, NC 27407-7009, USA  
Phone: 336/454-5000  
Fax: 336/454-5007

**Preliminary data sheet****ALBERDINGK® LUX 250 VP UV-Dispersion****Specification**

Solids content (%):	39 - 41
pH-value:	6.5 - 8.0
Viscosity (mPa s):	10 - 500

**method**

DIN 53189  
DIN ISO 976  
ISO 1652  
Brookfield RVT,  
Spindle 1, 50 rpm

**Further Typical Data:**

Minimum film forming temperature (°C):	approx. 0	DIN 53787
Type of dispersion:	anionic	
Density (g/cm <sup>3</sup> ):	approx. 1.06	DIN 51757
Solvent-free		

**Film properties before UV-Curing:**

- Fast flash-off time
- good physical drying
- Pendulum hardness according to König (s): approx. 20

**Film properties after UV-Curing:**

- scratch resistance
- hardelastic
- chemical resistance
- gloss
- Pendulum hardness according to König (s): approx. 160

**Curing recommendations:**

- Addition of photoinitiator e.g. 1.0 % Irgacure 500
- belt speed 5 - 10 m/min; 1 Hg-lamp 80 W/cm

**Characteristic:**

ALBERDINGK® LUX 250 VP is an aqueous, UV-crosslinkable dispersion based on an aliphatic polyester-polyurethane.

**Applications:**

Radiation curing primers and lacquers for wood and plastics.

<b>Storage</b>	In tight closed container between the temperature of 10 °C – 30 °C the storage stability is 3 months. The dispersion is during transport and storage protect from frost and heat.
<b>Packaging</b>	plastic drums (120 kg) one-way container (approx. 1,000 kg), as bulk in tank cars, by agreement.
<b>Safety</b>	ALBERDINGK® LUX 250 VP needs no label according to the Dangerous Substances Directive and the Dangerous Preparations Directive of the European Community. The EC-Material Data Sheet informs on all data relevant to the safety of ALBERDINGK® LUX 250 VP.

---

This information reflects our current state of the art and it is intended to inform on our products and their application. One cannot deduce any legally binding guarantee regarding specific properties of the products or their suitability for definite applications. Rights regarding trademarks and patents also will have to be observed.

**ALBERDINGK BOLEY GmbH, Düsseldorfer Str. 53, D-47829 Krefeld, 23<sup>rd</sup> Juni 2008**