

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

pH- value

Viscosity

mPas

6.5 - 7.5

10 - 500

According to:

ISO 3251

0.5 g weighed quantity at 105°C

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

ca. 110

s

ca. 10

According to:

ISO 1522

ISO 1522

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

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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.