

Preliminary technical data sheet

ALBERDINGK® LUX 104 VP

Characteristic:

Waterbased, solvent-free, UV-curing polyurethane dispersion.

Specification:

| | | | According to: |
|----------------|------|---------------------------------|--|
| Solids content | % | 36.0 - 38.0 | ISO 3251 |
| | | 0.5 g weighed quantity at 105°C | |
| pH- value | | 6.0 - 8.0 | ISO 976 |
| Viscosity | mPas | 20 - 200 | ISO 2555, Brookfield RVT Spindle 1/rpm 50/factor 2 |

Further typical data*:

| | | | |
|--------------|-------|-----------|----------------------|
| MFFT | °C | ca. 0 | According to: |
| Density | g/cm3 | 1.0 - 1.1 | ISO 2811-1 |
| Solvent-free | | | |

Applications:

Physical drying dispersion which develops a medium hard, flexible film after UV-curing. The dispersion shows excellent storage stability in formulations and is stable in a fairly wide pH-range. The product is recommended for wood and plastic coatings as well as printing ink applications (non food contact).

Curing recommendations:

Photoinitiator (e.g. Omnidrad 500 (former Irgacure 500)): 1% on the delivered form.

Belt speed: 5 - 10 m/min., 1 Hg-lamp 80 W/cm

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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.

Notice:

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