

Technical data sheet

ALBERDINGK® U 199

Characteristic:

Very soft, solvent free, aliphatic polyester-polyurethane dispersion. The dispersion is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

Specification:

Solids content	%	59.0 - 61.0	According to: ISO 3251 0.5 g weighed quantity at 105°C
pH- value		7.5 - 9.5	ISO 8534
Viscosity	mPas	200 - 1000	ISO 2555, Brookfield RVT Spindle 2/rpm 20/factor 20

Further typical data*:

MFFT	°C	ca. 0	According to:
Density	g/cm ³	1.0 - 1.1	ISO 2811-1
Solvent-free			

Film properties*:

Blocking point	°C	ca. 110	According to:
Pendulum hardness (König)	s	ca. 25	ISO 1522
E-Modulus	N/mm ²	ca. 1.5	ISO 527-1
Ultimate tensile strength	N/mm ²	ca. 15	ISO 527-1
Elongation at break	%	ca. 850	ISO 527-1

Applications:

For very soft and flexible coating systems on e.g. leather, textile and plastics.

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ALBERDINGK® U 199

Properties:

ALBERDINGK® U 199 VP is an improved version of the long proven product ALBERDINGK® U 2101 with the following advantages :

- improved water resistance
- much softer touch
- better and easier rheology control
- better washing resistance on textiles

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.

Technical data sheet

ALBERDINGK® U 199

Further information:

The product tends to form sedimentation, so it has to be stirred very well before use.

Notice:

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