

# 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:			According to:
Solids content	%	59.0 - 61.0	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*:			According to:
MFFT	°C	ca. 0	
Density	g/cm3	1.0 - 1.1	ISO 2811-1
Solvent-free			
Film properties*:			According to:
Blocking point	°C	ca. 110	
Pendulum hardness (König)	S	ca. 25	ISO 1522
E-Modulus	N/mm2	ca. 1.5	ISO 527-1
Ultimate tensile strength	N/mm2	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.

Latest update 21.03.2018

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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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### 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.

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#### **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.

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