

Technical Data Sheet

Alberdingk® U 199 VP

Characteristic

Alberdingk® U 199 VP is an aliphatic polyester polyurethane dispersion. It is a high solids resin which has a high elongation, good water resistance, and excellent staining resistance to common household items such as Sharpie Marker and ball point pen. When formulated correctly it possesses a "Soft-Like" feel. #

Features:

- Highly elastic and flexible films
- Good hydrolytic stability
- Good Non-Yellowing properties at elevated temperatures
- Highly abrasion resistant
- Excellent adhesion on various substrates

Specification:

NVW	%	59.0 – 61.0
pH value		7.5 – 9.5
Viscosity	cps	200 – 1000

According to:

DIN EN ISO 3251
 1.0 g weighed quantity at
 105°C
 DIN ISO 976
 ISO 1652, Brookfield RVT
 Spindle 1/rpm 20/factor 5

Further typical data*:

Solvent	%	Solvent free
Density	g/cm ³	1.0 – 1.1
MFFT	°C	approx. 0

Film properties:

Blocking point	°C	approx. 110
Koenig hardness	s	approx. 25
100% Modulus	psi	218
Elongation at break	%	850
Tensile strength	psi	2175

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Applications:

Leather coatings
Textile coatings
Flexible PVC coatings
Plastic coatings

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
- Improved scrub resistance for wall paints

Storage:

In originally closed containers ALBERDINGK-dispersions are stable when stored at 20°C for 6 months. 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.

ALBERDINGK BOLEY Inc. 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 cannot be given by ALBERDINGK BOLEY Inc.

Packaging:

drums (460 lbs)
totes (2205 lbs)
as bulk in tank cars, by agreement.

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Safety:

For further information on product safety please refer to the actual material safety data sheet.

Notice:

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

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