

# Technical data sheet

## ALBERDINGK® U 3251

### Characteristic:

Aqueous, solvent-free, anionic, low viscous dispersion of an aliphatic polyester-polyurethane without free isocyanate groups.

### Specification:

Solids content	%	39.0 - 41.0	<b>According to:</b> ISO 3251 0.5 g weighed quantity at 105°C
pH- value		7.0 - 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	<b>According to:</b>
Density	g/cm <sup>3</sup>	1.0 - 1.1	ISO 2811-1
Solvent-free			

### Film properties\*:

Blocking point	°C	ca. 120	<b>According to:</b>
Pendulum hardness (König)	s	ca. 30	ISO 1522
E-Modulus	N/mm <sup>2</sup>	ca. 4.5	ISO 527-1
Ultimate tensile strength	N/mm <sup>2</sup>	ca. 30	ISO 527-1
Elongation at break	%	ca. 650	ISO 527-1

### Applications:

For high quality textile and leather coatings with high wet buckling resistance.  
To improve the blocking resistance of acrylic dispersions. Improvement in stone chipping resistance in metallic basecoats.

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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.