

# Technical Data Sheet

## AlberdingkUSA<sup>®</sup> U 205

### Characteristic

AlberdingkUSA<sup>®</sup> U 205 is an aliphatic polyether polyurethane dispersion. It is used as a sole binder for high quality leather, textile, plastic and paper coatings. It can be cross-linked with polyisocyanates, aziridines and carbodiimides for a variety of applications including soft-feel coatings. Other uses consist of flocking adhesives and flame retardant coatings.

### Features:

Highly elastic and flexible films  
Soft-feel  
Matte finish

### Specification:

NVW	%	39 - 41
pH value		7.0 – 8.0
Viscosity	cps	20 - 200

### 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\*:

MFFT	°C	approx. 0
Koenig hardness	s	approx. 30
Elongation at Break	%	600

### Applications:

Leather Coatings  
Textile Coatings  
Plastic Coatings  
Paper Coatings

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### 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 can not be given by ALBERDINGK BOLEY Inc.

### Packaging:

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

### Safety:

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

### Notice:

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