

# Technical Data Sheet

## Alberdingk<sup>®</sup> LUX 481

### Characteristic

Alberdingk<sup>®</sup> LUX 481 is an acrylic modified UV PUD with very high UV reactivity. It can be formulated into both clear and pigmented UV coatings.

### Features:

Outstanding chemical and stain resistance  
Excellent surface hardness  
Excellent block resistance  
Very high crosslink density

### Specification:

NVW	%	39.0 – 41.0
pH value		7.0 – 8.0
Viscosity	cps	10 - 500

### 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 before UV cure	s	approx. 25
Koenig hardness before UV cure	s	approx. 100

### Applications:

Wood Coatings  
Plastic coatings  
KCMA  
Furniture 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.