

# Technical data sheet

## ALBERDINGK® CUR 991

### **Characteristic:**

ALBERDINGK® CUR 991 is an aqueous, solvent-free, low viscous, anionic polyurethane dispersion without free isocyanate groups. For manufacturing we use renewable resources based on castoroil.

Specification:			According to:
Solids content	%	29.0 - 31.0	ISO 3251
			0.5 g weighed quantity at 105°C
pH- value		7.0 - 8.0	ISO 976
Viscosity	mPas	20 - 100	ISO 2555, Brookfield RVT
			Spindle 1/rpm 50/factor 2
Further typical data*:			According to:
MFFT	°C	ca. 40	
Density	g/cm3	1.0 - 1.1	ISO 2811-1
Film properties*:			According to:
Blocking point	°C	ca. 200	
Pendulum hardness (König)	S	ca. 85	ISO 1522
E-Modulus	N/mm2	ca. 25	ISO 527-1
Ultimate tensile strength	N/mm2	ca. 28	ISO 527-1
Elongation at break	%	ca. 120	ISO 527-1

### **Applications:**

For high-quality wood coatings with very good appearance of the veins in wood, gloss, chemicals and water resistance. Good compatibility when combined with ALBERDINGK MAC- and acrylic dispersions. Crosslinkable with polyisocyanates (Bayhydur 3100).

Latest update 22.12.2022

Alberdingk Boley GmbH | Düsseldorfer Str. 53 | 47829 Krefeld | Germany Phone +49 2151 528-0 | Fax +49 2151 573643 | info@alberdingk-boley.de | www.alberdingk-boley.de

Page 1 of 2

Alberdingk Boley, Inc. | Greensboro, NC, USA | www.alberdingkusa.com Alberdingk Resins (Shenzhen) Co.Ltd. | Shenzhen City, P.R. China | www.alberdingkchina.com

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.



# Technical data sheet

## ALBERDINGK® CUR 991

#### 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.

Latest update 22.12.2022

Alberdingk Boley GmbH | Düsseldorfer Str. 53 | 47829 Krefeld | Germany Phone +49 2151 528-0 | Fax +49 2151 573643 | info@alberdingk-boley.de | www.alberdingk-boley.de

Page 2 of 2

Alberdingk Boley, Inc. | Greensboro, NC, USA | www.alberdingkusa.com Alberdingk Resins (Shenzhen) Co.Ltd. | Shenzhen City, P.R. China | www.alberdingkchina.com