

# Renewable Polyurethanes

for Surface Coatings



# Renewable Polyurethanes

Alberdingk® renewable polyurethanes are based on natural castor and linseed oil polyols for high quality surface coatings.

## Main applications:

- › wood
- › plastics
- › metal
- › textiles
- › leather

Customer specific requirements need individual solutions. Please contact us for technical support.

For further information please contact us:

[www.alberdingkusa.com](http://www.alberdingkusa.com)

	Architectural Coatings	Exterior Wood Coatings	DIY Varnishes	Wood Flooring	Sports Flooring	Wood Care Products	Wood Furniture	Automotive Basecoats	Textiles
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**ALBERDINGK® Castor Oil Based Aliphatic Polyurethane Dispersions**

CUR 69			X	X	X		X	X	
CUR 99			X	X	X		X	X	
CUR 991			X	X	X		X		

**ALBERDINGK® Linseed Oil Based Aliphatic Polyurethane Dispersions**

LUR 3	X	X	X				X		
LUR 10				X	X		X		

**ALBERDINGK® 100% Solids Linseed Oil Based Polyurethane Resin**

OP 100				X		X			
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	Solids (%)	Solvent (%)	Viscosity (cps)	pH-Value	MFFT (°C)	Koenig Hardness (sec)	Elongation at Break (%)	Type	Neutralization
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### ALBERDINGK® Castor Oil Based Aliphatic Polyurethane Dispersions

CUR 69	34–36	6.6	50–200	7.5–8.5	0	95	175	CO/PC	TEA
CUR 99	29–31	6.8	20–200	7.0–8.0	0	115	60	CO	TEA
CUR 991	29–31	0	20–100	7.0–8.0	40	85	120	CO	TEA

### ALBERDINGK® Linseed Oil Based Aliphatic Polyurethane Dispersions

LUR 3	34–36	0	20–400	7.5–8.5	0	90	–	LO	TEA
LUR 10	34–36	0	20–200	7.5–8.5	21	167	–	LO	TEA

### ALBERDINGK® 100% Solids Linseed Oil Based Polyurethane Resin

OP 100	100	0	500–1500	–	–	–	–	–	–
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### ALBERDINGK® Castor Oil Based Aliphatic Polyurethane Dispersions

CUR 69	Excellent chemical resistance, excellent abrasion resistance, excellent black heel mark resistance, very good wood warmth, for use in 1 component and 2 component floor and furniture coatings
CUR 99	High gloss potential, excellent surface hardness, for use in high quality 1 component and 2 component floor and furniture coatings
CUR 991	Solvent free version of CUR 99, good wood warmth, excellent black heel mark resistance, very good abrasion resistance, good in-can clarity

### ALBERDINGK® Linseed Oil Based Aliphatic Polyurethane Dispersions

LUR 3	Physically and/or oxidatively drying, outstanding appearance on wood, very high gloss potential, very good weather resistance, excellent gloss retention
LUR 10	Oxidatively drying polyurethane dispersion based on linseed oil, outstanding wood warmth similar to solvent-based oil modified coatings, high gloss potential, very fast hardness development, excellent chemical resistance, very good adhesion and sanding properties, for use in high quality hardwood floor and furniture coatings

### ALBERDINGK® 100% Solids Linseed Oil Based Polyurethane Resin

OP 100	U.S. Department of Agriculture (USDA) Certified Biobased Product. 100% solids urethane modified polymer based on linseed oil, excellent chemical resistance and mechanical properties compared to standard oils
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**Exemption clause:**

The aforesaid information is based on our present state of knowledge and shall inform on our products and their application possibilities. It is not intended to assure certain characteristics of the products and their suitability for precise application fields. Please consider possible industrial property rights.



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