

Water-based UV-curable Dispersions

for Surface Coatings



USA

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.



ALBERDINGK BOLEY

Alberdingk Boley, Inc. | 6008 High Point Road | Greensboro NC 27407 | USA
Phone +1-336/454-5000 | Fax +1-336/454-5007 | info@alberdingkusa.com
www.alberdingkusa.com

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

Alberdingk Resins (Shenzhen) Co., Ltd. | (West) 1st/2nd Floor | Building D
Huanyu Industrial Park | Xuefu Road | Xingwei | Huangtian | Xixiang
Bao'an District | Shenzhen | Guangdong Province | 518128 | P. R. China
Phone +86-755-33808666 | Fax +86-755-33800718 | info@alberdingkchina.com
www.alberdingkchina.com

Water-based UV-curable Dispersions

Alberdingk® water-based UV-curing
dispersions for high-quality industrial
coatings

Main applications:

- › furniture
- › flooring
- › plastics
- › wood
- › concrete
- › metal
- › glass
- › paper

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

For further information please contact us:
www.alberdingkusa.com

	KCMA	Furniture	Site Applied Flooring	MDF	Exterior Wood Coatings	Primers/Sealers	General Metal Coatings	General Plastic Coatings	Paper	Soft-feel Coatings	Pigmented Coatings	Dual-Curing with Polyisocyanates
--	------	-----------	-----------------------	-----	------------------------	-----------------	------------------------	--------------------------	-------	--------------------	--------------------	----------------------------------

ALBERDINGK® UV-curable Polyester-Polyurethane Dispersions

LUX 250	X	X	X	X		X		X	X		X	X
LUX 260*	X	X	X	X		X	X		X		X	
LUX 701									X	X		X
LUX 1215									X	X		X

ALBERDINGK® UV-curable Polyurethane-Acrylic Copolymer Dispersions

LUX 286	X	X					X	X			X	X
LUX 399	X	X		X		X		X	X		•	
LUX 430	X	X		X		X		X			•	
LUX 441	X	X		X		X		X				
LUX 481	X	X	X				X	X	X		X	X
LUX 484	X	X	X		X			X			X	X

ALBERDINGK® UV-curable Acrylic Dispersions

LUX 515	X	X		X	•	X		X	X			X
---------	---	---	--	---	---	---	--	---	---	--	--	---

	Solids (%)	Viscosity (cps)	pH-Value	MFFT (°C)	Koenig Hardness Before Cure (sec)	Koenig Hardness After Cure (sec)
--	------------	-----------------	----------	-----------	-----------------------------------	----------------------------------

ALBERDINGK® UV-curable Polyester-Polyurethane Dispersions

LUX 250	39–41	10–500	6.5–8.0	0	20	125
LUX 260*	39–41	100–500	7.0–8.0	0	5	130
LUX 701	53–55	300–800	7.0–9.0	0	15	25
LUX 1215	59–61	500–3000	7.5–8.5	0	15	25

ALBERDINGK® UV-curable Polyurethane-Acrylic Copolymer Dispersions

LUX 286	39–41	10–500	7.0–8.0	14	40	100
LUX 399	44–46	10–500	6.5–7.5	0	5	110
LUX 430	41–43	10–500	6.5–7.5	0	5	90
LUX 441	39–41	10–500	6.5–7.5	5	25	150
LUX 481	39–41	10–500	7.0–8.0	0	25	100
LUX 484	36–38	20–200	7.0–8.5	0	30	95

ALBERDINGK® UV-curable Acrylic Dispersions

LUX 515	49–51	10–500	6.5–7.5	0	5	90
---------	-------	--------	---------	---	---	----

* new development

ALBERDINGK® UV-curable Polyester-Polyurethane Dispersions

LUX 250	Hard, elastic PU dispersion with excellent chemical, scratch and water resistance, fast water release and low grain raising.
LUX 260*	Excellent wood warming, film transparency and gloss, superior scratch resistance, good re-emulsifiability before UV curing.
LUX 701	For soft-feel coatings, excellent block resistance, excellent flexibility, can be further crosslinked with polyisocyanates to create a dual cure coating.
LUX 1215	For soft-feel coatings, excellent flexibility, can be further crosslinked with polyisocyanates to create a dual cure coating.

ALBERDINGK® UV-curable Polyurethane-Acrylic Copolymer Dispersions

LUX 286	For clear and pigmented coatings with high chemical and stain resistance and very good adhesion to general plastics and metals.
LUX 399	Very good wood warming, good re-emulsifiability before UV curing, good sandability, very fast water release, good adhesion to general plastics.
LUX 430	Very good block resistance, good sandability, good flexibility, good mar resistance, good re-emulsifiability before UV cure.
LUX 441	Excellent sanding properties, excellent surface hardness, excellent chemical resistance, good adhesion to general plastics.
LUX 481	Outstanding chemical and stain resistance, very high crosslink density, excellent surface hardness, excellent block resistance.
LUX 484	Outstanding flexibility, excellent adhesion to multiple substrates, excellent chemical resistance, excellent scratch and mar resistance.

ALBERDINGK® UV-curable Acrylic Dispersions

LUX 515	Extremely high gloss, very good wood warming, good chemical resistance, good scratch resistance.
---------	--