

Water-based Polyurethane and Acrylate Dispersions

for textile and leather coatings



ALBERDINGK BOLEY

	Textile Coatings	Pigment Printing	Bonding / Lamination	Artificial Leather	Leather-Basecoats	Leather-Skincoats	Leather-Topcoats
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ALBERDINGK® Aliphatic Polyurethane Dispersions

U 180*	x	x	x		x	x	
U 199*	x	x	x		x	x	
U 205	x		x	x	x	x	
U 216*	x	x	x		x	x	•
U 228*	x	x	x		x	x	•
U 3251	x	x	x		x	x	x
U 3700*	x			x		x	x
U 400 N	x	•	x	x		x	x
U 475	x		x	x	x	x	x
U 4000*	x		x	x	x	x	
U 4101			x		x	x	
U 5201	x			•			x
U 6150	x						x
U 6800*	x						x
U 8001	x						x

ALBERDINGK® Aliphatic inherent matt Polyurethanes

PUR MATT 300*	x			x			x
PUR MATT 970*	x			x			x

ALBERDINGK® Acrylat-Copolymer Dispersions

AC 2523	x	•	x	x		x	x
AC 2592	x	•	x	x	x		
AC 2714*				x			x
AC 2736*	x		x			x	x
AC 548		x	x			x	

x recommended • possible * new development

	Solids [%]	pH-Value	Viscosity Brookfield [mPas]	MFFT [°C]	Tensile Strength [N/mm ²]	Elongation at Break [%]	100% Modulus [N/mm ²]	Type
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ALBERDINGK® Aliphatic Polyurethane Dispersions

U 180*	49,0 - 51,0	6,5 - 8,5	50 - 800	0	3	1000	0,8	PES/PU
U 199*	59,0 - 61,0	7,5 - 9,5	200 - 1000	0	15	850	1,5	PES/PU
U 205	39,0 - 41,0	7,0 - 8,0	20 - 200	0	12	750	4,5	PE/PU
U 216*	59,0 - 61,0	7,5 - 9,0	20 - 300	0	13	650	3	PES/PU
U 228*	59,0 - 61,0	7,5 - 9,5	200 - 1000	0				PE/PU
U 3251	39,0 - 41,0	7,0 - 8,0	20 - 200	0	30	650	4,5	PES/PU
U 3700*	35,0 - 37,0	8,0 - 10,0	20 - 200	0	18	600	5,0	PC/PU
U 400 N	39,0 - 41,0	7,0 - 8,0	20 - 200	0	30	500	6,5	PE/PU
U 475	39,0 - 41,0	7,5 - 8,5	50 - 300	0	40	850	9,5	PES/PU
U 4000*	27,0 - 29,0	8,0 - 9,5	20 - 200	0	60	650	5,0	PE/PU
U 4101	39,0 - 41,0	7,0 - 8,5	50 - 750	0	20	1400	3	PE/PU
U 5201	39,0 - 41,0	7,0 - 8,5	20 - 300	0	25	500	6,5	PES/PU
U 6150	37,0 - 39,0	7,5 - 9,0	50 - 500	0	25	200	20	PC/PU
U 6800*	32,0 - 34,0	8,0 - 9,5	20 - 200	0	25	500	10,0	PC/PU
U 8001	39,0 - 41,0	7,0 - 8,0	20 - 200	6	22	70		PES/PU

ALBERDINGK® Aliphatic inherent matt Polyurethanes

PUR MATT 300*	41,0 - 43,0	7,0 - 9,0	200 - 1800	10	16	750	3,0	
PUR MATT 970*	34,0 - 36,0	7,0 - 9,0	20 - 2000	30	14	100		

ALBERDINGK® Acrylat-Copolymer Dispersions

AC 2523	47,0 - 49,0	7,5 - 8,5	500 - 4000	0	15	150	12	
AC 2592	34,0 - 36,0	7,5 - 8,5	20 - 200	0				
AC 2714*	43,0 - 45,0	8,0 - 9,0	30 - 300	50				
AC 2736*	39,0 - 41,0	8,0 - 9,0	50 - 2000	0				
AC 548	49,0 - 51,0	7,5 - 8,5	3000 - 6000	13	9	500	2,0	

* new development

PES polyester

PU polyurethane

PC polycarbonate

PE polyether

ALBERDINGK® Aliphatic Polyurethane Dispersions

U 180*	High solid PUD, extremely compatible with flame retardants, very soft
U 199*	High solid PUD, very soft film, high elongation, label-free version of Alberdingk® U 2101
U 205	PUD with high elongation and good hydrolysis-resistance
U 216*	High solid PUD, soft film, good hydrolysis-resistance, free of classification
U 228*	High solid PUD, superior hydrolysis resistance
U 3251	Universal PUD with high gloss and excellent Ballyflex-resistance, favoured for transfer- / release coatings
U 3700*	Superior hydrolysis-resistance, especially suitable for car-interior leather coatings
U 400 N	Excellent hydrolysis-resistance, for artificial leather and pigment printing
U 475	More flexible version of Alberdingk® U 5201, Polyester-PUD with very good hydrolysis resistance, for high quality topcoats
U 4000*	Hydrolysis resistant PUD with extremely good adhesion properties
U 4101	PUD with tacky film, very good adhesion to different substrates, as adhesion promoter for laminations
U 5201	Polyester-PUD with very good hydrolysis-resistance for high quality topcoats
U 6150	Good weathering- and aging-resistance, high gloss
U 6800*	Very good adhesion to lots of substrates, good weathering- and aging-resistance, high gloss
U 8001	For coatings and stiffenings, very good compatible with different flame-retardant additives

ALBERDINGK® Aliphatic inherent matt Polyurethanes

PUR MATT 300*	Softfeel, inherent matt PUD with excellent flexibility
PUR MATT 970*	Hard, inherent matt PUD with excellent chemical resistance

ALBERDINGK® Acrylat-Copolymer Dispersions

AC 2523	Multiphase acrylic, selfcrosslinking, good blocking resistance and wet adhesion, high gloss
AC 2592	OH-functional acrylic, very good adhesion to hydrophobic leather (after 4 – 8 days aging), OH-value 73 mg/KOH/g on solids, Tg = -35 °C
AC 2714*	Universal multiphase acrylic, selfcrosslinking, excellent chemical resistance
AC 2736*	Multiphase acrylic, selfcrosslinking, good blocking resistance, high gloss and flexible film
AC 548	Pure acrylic for different applications, suitable as flock adhesive or leather basecoat

* new development

Water-based Polyurethane and Acrylate Dispersions

Alberdingk® aqueous polyurethane and acrylate dispersions for high-quality textile and leather coatings

Main applications:

- › textile coatings
- › leather finish

Customer-specific requirements need individual solutions. Therefore please contact us in any case so that we can both offer advice and support before commencing any development work.

For further information please contact us under:
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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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