

Water-based Polyurethane and Acrylate Dispersions

for Flexible Substrates



Water-based Polyurethane and Acrylate Dispersions

Alberdingk® aqueous polyurethane and acrylate dispersions for use on flexible substrates.

Main applications:

- › leather
- › synthetic leather
- › textiles
- › plastic films
- › paper

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

For further information please contact us:

www.alberdingkusa.com

	Genuine Leather	Synthetic Leather	Nylon	PVC	Plastic Films	Textiles	Paper	Bonding/Lamination
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ALBERDINGK® Acrylic and Styrene Acrylic Copolymers

AC 2310	x	x	x	x	x	x	x	
AC 2389	x	x	x	x				
AC 2523	x	x	x	x	x			
AC 2592	x	x	x	x		x		
AC 548	x	x				x		
M 2064							x	

ALBERDINGK® Aliphatic Polyurethane /Acrylic Hybrids

APU 10140	x	x	x	x	x			
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ALBERDINGK® Aliphatic Polyurethane Dispersions

CUR 21	x	x	x	x	x	x	x	
U 042	x	x	x	x	x	x		
U 180						x		
U 205	x	x		x	x	x		
U 2101	x	x	x	x	x	x	x	
U 3100*	x	x	x	x	x	x	x	
U 325	x	x	x	x	x	x		
U 3251	x	x	x	x	x	x		
U 3700*	x	x	x	x	x	x	x	
U 410	x	x	x	x		x		
U 4101*	x							x
U 420	x	x	x	x	x	x		
U 475*	x	x			x	x	x	
U 5201	x	x	x	x	x			
U 6100*				x	x			
U 801	x	x	x	x	x	x		

x recommended * new development

	Solids (%)	Solvent (%)	Viscosity (cps)	pH-Value	MFFT (°C)	Koenig Hardness (sec)	Elongation at Break (%)
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ALBERDINGK® Acrylic and Styrene Acrylic Copolymers

AC 2310	34.5–35.5	0	10–100	8.0–9.0	–	–	–
AC 2389	53–55	0	20–200	8.0–9.0	0	–	–
AC 2523	47–49	0	500–4000	7.5–8.5	0	45	–
AC 2592	34–36	0	20–200	7.5–8.5	0	–	–
AC 548	49–51	0	3000–6000	7.5–8.5	13	–	–
M 2064	47–50	0	500–2500	8.2–8.8	-24	–	–

ALBERDINGK® Aliphatic Polyurethane /Acrylic Hybrids

APU 10140	35–37	0	30–200	7.5–8.8	4	50	–
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ALBERDINGK® Aliphatic Polyurethane Dispersions

CUR 21	59–61	0	600–1600	7.5–9.0	0	20	700
U 042	33–37	15	50–500	7.0–9.0	0	–	275
U 180	47–50	0	10–500	6.5–8.0	0	15	–
U 205	39–41	0	20–200	7.0–8.0	0	30	600
U 2101	59.5–61.5	0	600–1400	7.5–9.5	0	30	800
U 3100*	31–33	0	20–200	7.5–9.5	0	30	800
U 325	39–41	2.5	20–200	7.5–9.5	0	–	650
U 3251	39–41	0	20–200	7.0–8.0	0	30	650
U 3700*	35–37	0	20–200	8.0–10.0	8.0–10.0	–	600
U 410	39–41	3.9	20–200	7.0–8.0	–	10	–
U 4101*	39–41	–	20–200	7.0–8.0	–	–	–
U 420	39–41	3.5	20–500	7.0–9.0	0	25	700
U 475*	39–41	0	50–300	7.5–8.5	0	30	850
U 5201	39–41	0	50–500	6.5–7.5	0	30	500
U 6100*	35–37	–	20–200	8.0–9.0	0	50	–
U 801	39–41	5.5	30–200	7.0–8.0	0	80	300

* new development

ALBERDINGK® Acrylic and Styrene Acrylic Copolymers

AC 2310	An APEO-free, extremely low VOC acrylic which is very soft, flexible, and tough yet displays a low surface tack, T _g = -45 °C and has excellent hydrolysis resistance
AC 2389	An aqueous, coarse particle size, low viscous copolymer-dispersion from acrylic and methacrylic acid esters and without plasticizers, extreme flexibility and cold resistance
AC 2523	A self crosslinking multiphase acrylic dispersion that can be used to produce zero VOC high gloss coatings with good block resistance and low water absorption
AC 2592	A highly flexible hydroxy functional acrylic dispersion used in two component »Soft-feel« coatings with very good chemical resistance
AC 548	An ultrafine plasticizer and solvent free acrylic-methacrylic-ester copolymer emulsion
M 2064	Excellent adhesion to multiple substrates, excellent vehicle for pigment grinding, excellent water resistance

ALBERDINGK® Aliphatic Polyurethane /Acrylic Hybrids

APU 10140	Excellent adhesion to multiple substrates, excellent flexibility with superior hydrolysis resistance and excellent chemical resistance
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ALBERDINGK® Aliphatic Polyurethane Dispersions

CUR 21	Highly flexible, »soft-feel«, solvent-free aliphatic polyester polyurethane based on renewable resources (castor oil)
U 042	High performance polycarbonate PUD with extreme flexibility even after severe Xenon exposure, unaffected by high heat and moisture, superior abrasion resistance
U 180	Solvent free, amine free, aliphatic polyester polyurethane dispersion with a very good compatibility with flame retardant additives or other ionic substances
U 205	An aqueous, anionic dispersion of an aliphatic polyether-polyurethane without solvents and free isocyanate groups, excellent high heat and humidity stability
U 2101	An inherently matte solvent-free aliphatic polyester polyurethane dispersion with high solids, extreme flexibility and a »soft-feel« when properly formulated
U 3100*	Excellent adhesion to multiple substrates, superior DEET resistance, used in »soft-feel« applications
U 325	Aliphatic polyester polyurethane with superior flexibility and excellent adhesion to multiple substrates, excellent Xenon stability
U 3251	Solvent-free aliphatic polyester polyurethane with superior flexibility and excellent adhesion to multiple substrates, excellent Xenon stability
U 3700*	Solvent-free aliphatic polyester polyurethane with superior flexibility and excellent adhesion to multiple substrates, superior hydrolysis-resistance, especially suitable for car-interior leather coatings
U 410	An aqueous, anionic dispersion of an aliphatic polyether-polyurethane without solvents and free isocyanate groups, excellent high heat and humidity stability
U 4101*	Solvent free version of U 410, soft polyether-PU with very good adhesion to different substrates, high hydrolysis resistance, NMP-free
U 420	Aliphatic polyester polyurethane with superior flexibility and excellent adhesion to multiple substrates, excellent Xenon stability
U 475*	More flexible version of ALBERDINGK® U 5201, Polyester-PUD with very good hydrolysis resistance, for high quality topcoats
U 5201	Aliphatic polyester polyurethane with superior flexibility and excellent adhesion to multiple substrates, excellent Xenon and high heat stability
U 6100*	Plasticiser barrier on flexible PVC, good adhesion to various substrates, excellent aluminum pigment orientation, high in-can-clarity
U 801	Excellent chemical resistance, excellent abrasion resistance, excellent block resistance, excellent exterior durability

* new development

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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