

Water-based Acrylate Dispersions

for Surface Coatings



Water-based Acrylate Dispersions

Alberdingk® aqueous acrylate and acrylate/styrene dispersions are designed for applications in coatings.

Due to their excellent compatibility they can also be used in combination with Alberdingk polyurethane dispersions.

Main applications:

- › wood
- › plastics
- › concrete
- › metal

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

For further information please contact us:

www.alberdingkusa.com

	Architectural Coatings	Exterior Coatings	Wood Stains/Sealers	Wood Coatings	High Gloss Enamels	Stain Blocking Primers	Masonry	Metal Coatings	KCMA	General Plastics	Plastic: Consumer Electronics	Furniture	Flexible Substrates	Decorative
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ALBERDINGK® Acrylic Copolymers

AC 548	X	X	X	X	X		•						X	
AC 2003*	X	X	X	X				•						
AC 2008*	X	X					•							•
AC 2053*		•		X									X	X
AC 2322								X						X
AC 2328		•	X											X
AC 2356					X		X	X		X				
AC 2389													X	
AC 2508				X	X				X	X	X	X		
AC 2529A				X	X				X	X		X		
AC 2570				X					X			X		
AC 2765*				X				•	X			X		
AC 3640				X					•			X		
AC 3650*				X					•			•		
AC 4600														

ALBERDINGK® Styrene Acrylic Copolymers

AS 2020*							X							
AS 2040							X						•	
AS 2065							X							
AS 2610					X					X	X			X
AS 2684*				X						•				
AS 2685				X				X		X				
AS 2688*				X				X			•			
H 595	X	X	X	X			X							
SC 48*	X							•						
M 2068		X	X											

ALBERDINGK® Epoxy Acrylic Copolymers

M 2955							X	X						
M 2959	X	X	X	X	X	X	X	X						

X recommended • possible * new development

	Solids (%)	Viscosity (cps)	pH-Value	MFFT (°C)	Koenig Hardness (sec)
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ALBERDINGK® Acrylic Copolymers

AC 548	49–51	3000–6000	7.5–8.5	13	22
AC 2003*	49–51	20–2000	7.0–9.0	3	22
AC 2008*	58–60	200–2000	8.0–9.0	0	–
AC 2053*	48–50	500–2000	7.0–9.0	0	20
AC 2322	48–50	20–1500	7.0–9.0	65	180
AC 2328	45–47	500–1500	8.0–9.0	17	38
AC 2356	49–51	300–3000	8.0–9.0	43	75
AC 2389	53–55	20–200	8.0–9.0	0	–
AC 2508	49–51	100–2000	7.0–8.0	80	140
AC 2529A	43–45	100–2000	6.5–7.5	50	130
AC 2570	39–41	10–300	3.0–5.0	25	–
AC 2765*	44–46	10–300	8.0–9.0	65	110
AC 3640	40–42	50–500	8.0–9.0	30	90
AC 3650*	40–42	50–500	7.0–8.0	38	102
AC 4600	19–21	20–200	9.0–10.5	35	–

ALBERDINGK® Styrene Acrylic Copolymers

AS 2020*	59–61	800–2500	7.0–9.0	19	30
AS 2040	56–58	1500–4500	7.0–9.0	0	–
AS 2065	46–48	20–200	7.0–9.0	27	–
AS 2610	49–51	100–1000	7.0–8.0	80	140
AS 2684*	41–43	1500–3000	7.0–8.0	31	81
AS 2685	42–44	700–2500	7.0–8.0	20	44
AS 2688*	43–45	500–3000	7.5–8.5	40	58
H 595	29–31	20–35	7.5–9.0	0	–
SC 48*	49–51	3000–5000	7.0–7.5	14	21
M 2068	48–50	≤ 2500	8.2–8.6	< 10	–

ALBERDINGK® Epoxy Acrylic Copolymers

M 2955	46.5–48.5	≤ 500	8.5–9.4	54	105
M 2959	46–48	≤ 500	6.0–8.0	20	35

* new development

ALBERDINGK® Acrylic Copolymers

AC 548	Excellent exterior durability, good water resistance, small particle size
AC 2003*	Suitable for plasters and façade paints
AC 2008*	For exterior paints and plasters, especially for use under critical conditions in combination with ALBERDINGK® ALBORapid 22
AC 2053*	For universal applications both indoor and outdoor. Good flexibility and high transparency in high film build coatings
AC 2322	High gloss potential, excellent water resistance, good corrosion protection, excellent surface hardness
AC 2328	General purpose for use on a wide variety of substrates, for interior and exterior. Good blending resin.
AC 2356	Excellent water resistance, high gloss potential, excellent adhesion to multiple substrates
AC 2389	Excellent grinding properties, excellent soft-feel, excellent water resistance, good adhesion to multiple substrates, excellent press transfer
AC 2508	Blending resin used to increase surface hardness and scratch resistance, excellent block resistance, excellent chemical resistance
AC 2529A	Blending resin used to increase surface hardness
AC 2570	Blending resin used to increase re-emulsifiability for easier cleaning of conveyer belts and spray guns, ideal for UV curing systems and/or ink systems
AC 2765*	For pigmented coatings with excellent stain resistance and high blocking and scratch resistance. Good blending resin to improve hardness. Excellent wood warming.
AC 3640	Excellent wood warming and transparency, superior block resistance, fast hardness development and good sandability, very good chemical resistances even with high amounts of matting agent
AC 3650*	Excellent wood warming and transparency, fast hardness development and good sandability, very good stain resistances
AC 4600	Heat-sealable adhesives/coatings on BOPP foils, primed with ALBERDINGK U 4000 VP, also suitable for heat sealable overprint varnishes on OPP foils

ALBERDINGK® Styrene Acrylic Copolymers

AS 2020*	For flexible sealants and screeds, very good cement and bitumen-compatibility
AS 2040	For flexible sealants and screeds, very good cement and bitumen-compatibility
AS 2065	Compatible with cement and mortar, improves mechanical properties
AS 2610	Excellent adhesion to plastics, superior chemical resistance, outstanding aluminium flake orientation
AS 2684*	High gloss resin with good chemical resistance and hardness
AS 2685	Very good chemical, water and humidity resistance, excellent adhesion to metal, especially galvanized steel
AS 2688*	High gloss resin with good adhesion to metal and excellent stain/alkali resistance. For wood and metal coatings
H 595	Very small particle size (0.03 microns), outstanding penetration into wood and cementitious substrates
SC 48*	Economic, tough/elastic binder with good water/alkali resistance
M 2068	Small particle size, excellent water resistance, high gloss potential, excellent adhesion to multiple substrates

ALBERDINGK® Epoxy Acrylic Copolymers

M 2955	Blending resin used to increase surface hardness and block resistance, excellent hot tire resistance, excellent wet-look
M 2959	Excellent efflorescence resistance, excellent water resistance, very good exterior durability, excellent adhesion to multiple substrates

* new development

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 West Gate City Blvd | Greensboro NC 27407-7009 | USA
Phone +1-336/454-5000 | Fax +1-336/454-5007 | info@alberdingkusa.com
www.alberdingkusa.com

Alberdingk Boley GmbH | Düsseldorf 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 +86-755-29966997 | Fax +86-755-29966700 | info@alberdingkchina.com
www.alberdingkchina.com

