



ADVANCED KİMYA®

1K THERMOPLASTIC ACRYLIC RESINS

Technical Properties						Applications								
Product Code	Tg°C	% NVC	Solvent	Acid Value [mgKOH/g]	Viscosity [Pa.s, 25°C]	ABS Plastic	Road Marking	Galvanized	Alu	Stone Varnish	PP	General Metal	Aerosol	Specific Properties
ADC TP85T60	50	60	Toluene	4-8	6-15		✓			✓		✓		High viscosity , fast drying road marking paints
ADC TP85T60-C	60	60	Toluene	4-8	6-15		✓			✓		✓		Higher Tg , fast drying road marking paints
ADC TP85T60-A	50	60	Toluene	4-8	1.5-3.5		✓			✓		✓		Lower viscosity, fast drying road marking paints
ADC M50X	20	50	Xylene	7-11	1-3							✓	✓	Low Tg acrylic resin for aerosol paints
ADC M50B	20	50	BA	7-11	1-3							✓	✓	Low Tg acrylic resin for aerosol paints
ADC GAL50X	29	50	Xylene	7-11	1.5-4.5			✓				✓		Good adhesion for galvanized surfaces, fast drying acrylic paints
ADC GAL35B	56	35	Xylene	7-13	3-7			✓	✓			✓		Thermoplastic resin modified with special monomers to have great adhesion on alloys, aluminum, glass, stainless steel, or galvanized surfaces
ADC A50TIB	56	50	Toluene Butyl acetate Isobutanol	8-15	0.5-2.5			✓	✓			✓		Good adhesion for aluminum surfaces, fast drying acrylic paints
ADC PC50TIB	56	50	Toluene Butyl acetate Isobutanol	2-5	8-15	✓				✓				Very fast drying acrylic resin for ABS Plastics
ADC PP45-T	60	45	Toluene	2-5	1-3	✓					✓			Very fast drying acrylic resin for PP surfaces, excellent adhesion without adhesion promoters
ADC 12 T49	60	49	Toluene	4-7	1-3							✓		Fast drying acrylic for general purposes

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ADC TP85X60	50	60	Xylene	4-8	6-15		✓			✓		✓		High viscosity , fast drying road marking paints, stone varnish, concrete coatings
ADC P4070	70	60	Butyl acetate Ethy acetate Isobutanol	0-2	5-10	✓						✓		Very low acid, excellent aluminum orientation for ABS Plastics
ADC P4515-A	80	45	Toluene Ethy acetate n-buthyl acetate	0-2	2.5-5	✓				✓		✓		Very low acid, compatibility with NC and CAB, excellent aluminum orientation
ADC M50PCB	20	50	PCBTF	7-11	1-3					✓		✓	✓	Low Tg acrylic resin for aerosol paints
ADC P5059	110	50	Toluene Isobutanol	0-2	6-14	✓					✓			Very fast drying, low acid, oil resistance
ADC P5032	32	50	Xylene	3-7	1,5-3					✓		✓		Primer and topcoat for exterior wall paints
ADC K51	95	50	Toluene	1-3	12-20		✓							High hardness, super fast drying, excellent weather resistance, high corrosion resistance and good adhesion to metals (MMA based)
ADC K60	50	60	Toluene	1-3	3-6		✓							Flexible, excellent weather resistance, high corrosion resistance and good adhesion to metals (MMA based)

2K HYDROXY ACRYLIC RESINS

Technical Properties						Applications							
Product Code	% OH on solid	% NVC	Solvent	Acid Value [mgKOH/g]	Viscosity [Pa.s, 25°C]	Primer	Clearcoat	Topcoat	Car Refinish	Commercial Vehicles	General Metal	Protective Marine	Specific Properties
ADC 12TB50	1.2	50	Toluene/BA	2-5	2-5	✓				✓	✓		Low-OH, fast drying primers
ADC 20B80	2	80	BA	5-9	2.5-5		✓	✓			✓	✓	High solid content, low VOC with excellent gloss, weather resistance, levelling and distinctness of image.
ADC 20TB50	2.0	50	Toluene/BA	2-5	1.8-4	✓			✓	✓	✓		Compatibility with CAB, great aluminum pigment orientation base coats
ADC 26XB65	2.6	65	Xylene/BA	5-9	4-8	✓	✓	✓	✓	✓	✓	✓	Good gloss, general purpose acrylic resin
ADC 28B80	2.8	80	BA	5-9	5-10		✓	✓			✓	✓	High solid, low VOC acrylic resin
ADC 30XB60	3.0	60	Xylene/BA	5-9	1.5-4		✓	✓		✓			High-quality general purpose resin

2K HYDROXY ACRYLIC RESINS

Technical Properties						Applications							
Product Code	% OH on solid	% NVC	Solvent	Acid Value [mgKOH/g]	Viscosity [Pa.s, 25°C]	Primer	Clearcoat	Topcoat	Car Refinish	Commercial Vehicles	General Metal	Protective Marine	Specific Properties
ADC 32XB70-E	3.2	70	Xylene/BA	7-10	1-3		✓	✓	✓	✓		✓	Excellent gloss and image distinctness, low viscosity acrylic resin
ADC 43XP60	4.3	60	Xylene/PMA	6-10	1.4-3.6		✓	✓	✓			✓	Excellent gloss, gloss retention & durability
ADC 43B70	4.3	70	BA	5-9	1.8-4		✓	✓	✓			✓	Excellent weathering resistance
ADC 43B80	4.3	80	BA	5-9	5-9		✓	✓	✓			✓	High solid, low VOC, excellent gloss, great film fullness, levelling, and distinctness of image. Topcoat or clearcoat in car, automotive refinish, anti-corrosive, and industrial coatings
ADC 43XB75	4.3	75	Xylene/BA	5-9	1-3		✓	✓	✓	✓		✓	High solid top quality automotive topcoat and clearcoats

ALKYD RESINS

Short Oil Alkyds

Technical Properties						Specific Features & Applications	
Product Code	Resin Group	% NVC	Solvent	Oil Length	Viscosity [mPa.s, 25°C]	Main Features	Main Applications
ADC 25S55	Short Oil Alkyd	55	Xylene	%25	800 - 2000	ADC 25S55 is an acrylic modified quick air drying short oil alkyd resin based on soyben oil	Fast drying industrial coatings and low bake industrial coatings.
ADC 27S60	Short Oil Alkyd	60	Xylene	%27	2500 - 6000	Short oil air drying alkyd resin based on soybean oil. Excellent drying and durability; High gloss and gloss retention; Resistance in humid conditions; Good mechanical properties.	Industrial finishes; Primers and undercoats; NC lacquers and stoving systems; Clear and pigmented polyurethane lacquers.
ADC 27S70	Short Oil Alkyd	70	Toluene	%27	7000 - 15000	Short oil, benzoic modified, chain stop alkyd resin	Nc primers, Industrial primers and topcoats, PU primers and topcoats.
ADC 28CS70	Short Oil Alkyd	70	Xylene	%28	2500 - 5000	Short oil non-drying alkyd resin based on coconut fatty acid with %3,9 -OH	Industrial 2k finishes; NC lacquers and stoving systems; Clear and pigmented high gloss polyurethane lacquers.
ADC 31CS70	Short Oil Alkyd	70	Toluene/Xylene	%31	2500 - 5000	Short oil non-drying alkyd resin based on coconut fatty acid with %4,3 -OH.	Industrial 2k finishes; NC lacquers and stoving systems; Clear and pigmented high gloss polyurethane lacquers.
ADC 40S60	Short Oil Alkyd	60	Xylene	%40	2500 - 5000	ADC 40S60 is a short oil chain stopped alkyd resin based on soybean oil..	Industrial finishes; Primers and undercoats; NC lacquers and stoving systems with melamine, clear and pigmented polyurethane lacquers, Auto repair paints.
ADC 40S65	Short Oil Alkyd	65	Toluene/Xylene	%40	2500 - 5000	Short oil semi drying alkyd resin based on soybean oil. Excellent compatibility with NC and melamine resin.	Primers and undercoats, NC lacquers and stoving systems.
ADC 29S70	Rapid Alkyd	70	Xylene	%29	7000-15000	Short oil, soy based, benzoic modified, chain stop alkyd resin, high gloss and fast drying	Air drying primers and topcoats. NC and PU primers and topcoats

ALKYD RESINS

Medium Oil Alkyds

Technical Properties						Specific Features & Applications	
Product Code	Resin Group	% NVC	Solvent	Oil Length	Viscosity [mPa.s, 25°C]	Main Features	Main Applications
ADC 49M70	Medium Oil Alkyd	70	Xylene	%49	6000 - 12000	Medium oil air-drying alkyd based on soybean oil; Excellent drying and durability; High gloss and gloss retention	Auto repair paints; Industrial finishes; Primers and undercoats
ADC 50M70	Medium Oil Alkyd	70	Xylene	%50	5000 - 10000	Medium oil air-drying alkyd based on soybean oil; Excellent drying and durability; High gloss and gloss retention	Auto repair paints; Industrial finishes; Primers and undercoats

Long Oil Alkyds

Technical Properties						Specific Features & Applications	
Product Code	Resin Group	% NVC	Solvent	Oil Length	Viscosity [mPa.s, 25°C]	Main Features	Main Applications
ADC 58HL70	Long Oil Alkyd	70	White Spirit	%58	20000 - 40000	Long oil air drying alkyd resin based on soybean oil with very high viscosity. Excellent outdoor color durability and gloss retention; Very good brushability, very good through drying and hardening	Air-drying all interior and exterior architectural Finishes, primers, and undercoats.
ADC 65L70	Long Oil Alkyd	70	White Spirit	%65	15000 - 30000	Long oil air drying alkyd resin based on soybean oil. Excellent outdoor color durability and gloss retention; Very good brushability, very good through drying and hardening	Air-drying all interior and exterior architectural Finishes, primers, and undercoats

ISOCYANATE HARDENERS

Alifatic Hardener, Trimer

Technical Properties						Specific Features & Applications	
Product Code	Solvent	% NVC	% NCO Content	Car Refinish	Industrial Coating	Wood Coating	Specific Properties
ADC AN75	N-Butyl acetate	75	16.5	✓	✓		Aliphatic HDI hardener for non yellowing automotive and industrial paints
ADC AN90	N-Butyl acetate	90	19.6	✓	✓		High solid, aliphatic HDI hardener for non-yellowing automotive and industrial paints

Alifatic Hardener, Biuret

Technical Properties						Specific Features & Applications	
Product Code	Solvent	% NVC	% NCO Content	Car Refinish	Industrial Coating	Wood Coating	Specific Properties
ADC AN75-Biuret	N-Butyl acetate	75	16.5		✓	✓	Aliphatic HDI hardener for flexible wood coating paints

Alifatic Hardener, Cycloaliphatic

Technical Properties						Specific Features & Applications	
Product Code	Solvent	% NVC	% NCO Content	Car Refinish	Industrial Coating	Wood Coating	Specific Properties
ADC GP70	N-Butyl acetate	70	12	✓	✓	✓	Cycloaliphatic IPDI for non-yellowing automotive, industrial paints, plastic and wood coatings

Aromatic Hardener

Technical Properties						Specific Features & Applications	
Product Code	Solvent	% NVC	% NCO Content	Car Refinish	Industrial Coating	Wood Coating	Specific Properties
ADC TDI75	Ethyl acetate	75	13.3		✓	✓	Aromatic TDI hardener for wood and industrial coating

POWDER COATING POLYESTER RESINS

Hybrid Based Polyester Resins

Technical Properties							Specific Features & Applications
Product Code	PE/Epoxy	Acid Value [mgKOH/g]	Softening Point (°C)	Tg (°C)	Viscosity [MPa.s/200 °C]	Curing Condition (°C/min)	
ADC CR4661	60/40	48 - 55	~109	~53	3000 - 4000	180 °C/15min	General purpose resin with balanced properties
ADC CR4562	60/40	48 - 55	~109	~54	3000 - 4000	180 °C/15min	Excellent leveling and hardness for matte coatings
ADC CR5952	50/50	65 - 75	~109	~53	2500 - 3500	180 °C/15min	Excellent leveling and hardness for matte coatings

TGIC Based Polyester Resins

Technical Properties							Specific Features & Applications
Product Code	PE/TGIC	Acid Value [mgKOH/g]	Softening Point (°C)	Tg (°C)	Viscosity [MPa.s/200 °C]	Curing Condition (°C/min)	
ADC CP7781	93/7	30 - 36	~119	~67	4500 - 5500	200 °C/10min	Balanced properties for general purpose
ADC CP7900	93/7	30 - 36	~115	~64	4500 - 5500	200 °C/10min	Balanced properties for general purpose, economical version with lower cost
ADC CP7651	93/7	28 - 34	~111	~60	3000 - 4000	150 °C/15min	Low curing temperature, excellent leveling and weather resistance
ADC CP7760	93/7	28 - 34	~115	~64	3000 - 4000	170 °C/15min	Low curing temperature with better storage stability, excellent leveling

HAA Based Polyester Resins

Technical Properties							Specific Features & Applications
Product Code	PE/HAA	Acid Value [mgKOH/g]	Softening Point (°C)	Tg (°C)	Viscosity [MPa.s/200 °C]	Curing Condition (°C/min)	
ADC CH5671	95/5	28 - 34	~110	~58	3000 - 4000	180 °C/12min	Balanced properties for general purpose

EPOXY RESINS

Solvent Based Epoxy Resin

Technical Properties					Specific Features & Applications	
Product Code	% NVC	Solvent	Equivalent Weight [g/eq, 100% resin]	Viscosity [Pa.s, 25°C]	Main Features	Main Applications
ADC 601-75	75	Xylene	450-500	8-15	Solvent based epoxy resin especially for anti-corrosive primers. Easy to use, great adhesion.	Epoxy Primers, anti-corrosive primers, industrial paint

Solvent Based Epoxy Hardener

Technical Properties					Specific Features & Applications	
Product Code	% NVC	Solvent	AHEW [g/eq]	Viscosity [mPa.s, 40°C]	Main Features	Main Applications
ADC EH550	95	Xylene	210	500-1000	Modified polyimide with phenalkanine modification to increase drying speed	Epoxy Primers, anti-corrosive primers, industrial paint

Water Based Epoxy Resin

Technical Properties					Specific Features & Applications	
Product Code	% NVC	Solvent	Equivalent Weight [g/eq, 100% resin]	Viscosity [Pa.s, 25°C]	Main Features	Main Applications
ADC WH3253	53	PM/ Water	180-200	100-1000	Excellent anti-corrosion, high hardness, good adhesion between interlayer	It is suitable for use for anti-corrosive paints on metal surfaces

Epoxy Ester Resin

Technical Properties					Specific Features & Applications	
Product Code	% NVC	Solvent	Acid Value (mgKOH/g)	Viscosity [Pa.s, 25°C]	Main Features	Main Applications
ADC 619-50	50	Xylene	2-6	500-1000	It is a fast-drying epoxy ester resin with excellent adhesion and anti-corrosive properties	Used as a one-component, air-drying primer for anti-corrosive industrial, floor and many other applications

OTHER RESINS

C9 Hydrocarbon Resin

Technical Properties				Specific Features & Applications
Product Code	Color Gardner %50	Acid Value KOH mg/g	Softening Point °C	
YL-120	Max 6	0.1	120±5	YL 120 is a low molecular weight , pale yellow thermoplastic resin, produced from petroleum derived monomers
SK-120	Max 10	0,1	120±5	SK-120 is a low molecular weight, yellowish thermoplastic resin produced from petroleum derived monomers
GA-120	Max 12	0,1	120±5	GA 120 is a low molecular weight , pale yellow thermoplastic resin, produced from petroleum derived monomers
YL-140	Max 8	0,1	135±5	YL-140 provides fast drying, increased hardness and solid content. Compatible with alkyd, epoxy, phenolic, essential and mineral oils. Increases gloss and stickiness, waterproof, acid and alkali resistance

Gum Rosin

Technical Properties				Specific Features & Applications
Product Code	Color Gardner (%50, Toluene)	Acid Value KOH mg/g	Softening Point °C	
24 EE	Max 8	162	76±5	24 is a natural Gum Rosin obtained by steam distillation of the elliottii vr elliottii pine crude gum. Solid resin with a light-yellow color. Applications field : Adhesives, Paper Industry, Rubber, Paints, Polish Industry, Pigments, Soldering fluxes, Cosmetics

Water Based Polyester Resins

Technical Properties					Specific Features & Applications
Product Code	Resin Type	% Solid	Viscosity [Pa.s, 25°C]	Acid Value (mgKOH/g)	
ADC WJ4177	Polyester	77	15000 - 25000	25-35	Water-based polyester resin, excellent flexibility, high gloss, good adhesion. It is suitable for use in general industrial applications

WATER BASED ACRYLIC RESINS

Acrylic Emulsion

Technical Properties						Specific Features & Applications	
Product Code	Resin Group	% NVC	Viscosity [Pa.s, 25°C]	Acid Value (mgKOH/g)	% OH content	Main Features	Main Applications
ADC WR5840	Acrylic Emulsion	58	2000 - 5000	50-70	1	Waterborne 1K dispersion, fast-drying, adhesion to metals	1K topcoat for general industrial use
ADC WR1061	Acrylic Emulsion	45	50 - 200	pH 7-9	-	Waterborne 1K dispersion, fast-drying, adhesion to metals	1K topcoat for general industrial use

2K Hydroxy Acrylic Resin

Technical Properties						Specific Features & Applications	
Product Code	Resin Group	% NVC	Viscosity [Pa.s, 25°C]	Acid Value (mgKOH/g)	% OH content	Main Features	Main Applications
ADC WZ-01	Acrylic	45	500 - 3000	pH 7-9	3.9	High OH dispersion, great film fullness, weather resistance, anti-blistering on thick film	Waterborne 2K topcoat for anti-corrosive and industrial use
ADC WZ-03	Acrylic	45	500 - 3000	pH 7-9	2.4	Medium OH dispersion, fast-drying, weather resistance	Waterborne 2K topcoat for anti-corrosive and industrial use
ADC WZ-04	Acrylic	35	500 - 3000	pH 7-9	2.4	E-10 modified dispersion, low VOC, good hardness, weather resistance, anti-corrosion	Waterborne 2K topcoat for anti-corrosive and industrial use

Baking Acrylic Resin

Technical Properties						Specific Features & Applications	
Product Code	Resin Group	% NVC	Viscosity [Pa.s, 25°C]	Acid Value (mgKOH/g)	% OH content	Main Features	Main Applications
ADC WB2260	Acrylic	60	2000 - 5000	50-70	-	High gloss, hardness, adhesion	Waterborne baking topcoat for general industrial use
ADC WB2265	Acrylic	65	2000 - 5000	50-70	-	High gloss, hardness, adhesion	Waterborne baking topcoat for general industrial use
ADC WB2270	Acrylic	70	2000 - 5000	50-70	-	High solid, film fullness, flexibility, gloss, adhesion	Waterborne baking topcoat for general industrial use

Solvents, Pigments, Additives & Other Resins

- Solvents
- Iron Oxide Pigments (Black 320, Red 130, Yellow 313)
- Chrome Pigments
- Dryers
- UV Resin
- Maleic Resin
- Melamine Resin
- Plasticizers & Additives