

Alkyd Resins

Product	Solid %	Viscosity	Solvent	Oil	Oil length	Characteristics
LONG OIL ALKYD						
Atresal LO50/55 D4	55	2200-2800 mPas	AN	TO	62	low cost alkyd resin for primers and paints for interior use
Atresal LO95/60 K6	60	80-130 s (60% DIN4)	WS	TOFA	74	for paints with excellent flexibility, good adhesion, good weather resistance, good gloss resistance; for interior and exterior use; for decorative paints with low yellowing
Atresal C17/60 D6	60	80-120 s (50% DIN4)	AN	SJ	66	for the formulation of enamels and corrosion protection paints
Atresal C19/60 D6	60	120-160 s (50% DIN4)	AN	SJ	66	for the formulation of enamels and corrosion protection paints
Atresal F89/60 D6Y	60	280-320 s (DIN4)	AN	HQO	69	suitable for fast drying paints, especially for spar varnish
Atresal LO64/60 D6	60	3 - 6 Pas	AN	HQF	64	for paints with good drying characteristics, good flow, low yellowing; good pigment compatibility
Atresal L97/60 D6	60	20-28 dPas	AN	SJ/L	65	Long oil alkyd resin for the production of house and construction paints and wood stains, to achieve thixotropy it can be combined with middle and long oil thixotropic alkyd resins
Atresal L1560/60 D6	60	100-140 sec.	AN	HQF	65	Special long-oil alkyd for impregnating and varnishing of wood and porous substrates
Atresal L1560/60 K3	60	50-80sec.	WS	HQF	65	Special long-oil alkyd for impregnating and varnishing of wood and porous substrates; very good drying, UV-protection; humidity controlling, permeable for water vapour
Atresal L1701/60 D6	60	4500-5200 mPas	AN	HQF	64	for the production of house paints and corrosion resistant lacquers, very good processability and durability, good drying properties

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Atresal L1878/60 K3	60	90-120 sec.	WS	VO	61	Long oil alkyd resin for the production of house paints and corrosion resistant paints, low-odour
Atresal L1878/60 D4	60	90-120 sec.	AN	VO	61	Long oil alkyd resin for the production of house paints and corrosion resistant lacquers, good drying properties, hardness, colour fastness, gloss
Atresal L1878/60 D6	60	120-160 sec.	AN	VO	61	Long oil alkyd resin for the production of house paints and corrosion resistant lacquers, good drying properties, hardness, colour fastness, gloss
Atresal L2118/60 K3	60	90-120 sec.	WS	HQF	64	Long oil alkyd resin, based on special fatty acids, air drying, for the production of colour stable industrial lacquers and house paints
Atresal L2453/60 D6	60	120-150 sec.	AN	VO	64	Long oil alkyd resin for the production of house paints as well as for the production of corrosion resistant paints due to its compatibility with alkaline pigments, very good processability, durable
Atresal LO33/70 D4	70	5000-9000 mPas	AN	SJ, L	62	excellent flexibility, good adhesion, weather resistance, gloss resistance; for interior and exterior use; for decorative paints with low yellowing and coating systems for the marine area
Atresal C94/70 D4	70	175-215 sec. (DIN6)	AN	HQF	67	for premium paints with very low yellowing and excellent drying characteristics
Atresal C 144/70 D4	70	4200-5200 mPas	AN	SJ	62	excellent pigment compatibility, good gloss conservation, good surface and through drying, for primer and paints
Atresal H 100/70 D6	70	100-140 sec.	AN	HQF	70	for premium wood lacquer; for interior and exterior use
Atresal L1878/70 D4	70	120-160 dPas	AN	VO	61	Long oil alkyd resin for the production of house paints and corrosion resistant lacquers, good drying properties, hardness, colour fastness, gloss
Atresal L68/75 D6	75	35-45 sec.	AN	FA	68	Long oil alkyd resin, for colour stable, weather resistant paints

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Atresal L68/75 IPH	75	90-130 sec.	IP	FA	68	Long oil alkyd resin, for colour stable, weather resistant paints
Atresal L1878/75 D6	75	28-32 sec.	AN	VO	61	Long oil alkyd resin for the production of house paints and corrosion resistant paints, low-odour
Atresal HS305/85 D4	85	8 - 11 Pas	AN	HQF	70	for premium air drying HS-paints with excellent appearance, outstanding drying, good adhesion, good weather resistance
Atresal HS400/85 D4	85	7500-10500 mPas	AN	HQF	70	for premium air drying HS-paints with excellent drying, excellent weather resistance and excellent appearance
Atresal LO490/85 TPnB	85	1500-3000 mPas	TPnB	HQF	65	Low viscous long oil alkyd for the production of paints with excellent adhesion, good flexibility and weather resistance, recommended for low yellowing decorative paints, wood stains and pigment pastes
Atresal L1878HS/85 D4	85	80-100 dPas	AN	VO	64	Long oil alkyd resin for the production of high solid paints and corrosion resistant lacquers, good drying properties, high hardness, good rubout
Atresal HS350/90 D4	90	9-11 Pas	AN	HQF	71	for premium air drying HS-paints with good drying, good weather resistance and good flow
Atresal C100/90 IP	90	120-135 sec. (70% DIN4)	IP	HQF	70	for paints free of aromatic compounds with high solid content
Atresal C200/90 D6	90	50-75 sec. (70% DIN4)	AN	HQF	73	for paints free of aromatic compounds with high solid content, good initial and through drying; also for blending with alkyd resins with less solid content
Atresal LO 07	100	3000-5000 mPas	no	TOFA	82	for paints with excellent flexibility, good adhesion, good weather resistance, excellent pigment compatibility, for decorative paints and wood stains
Atresal LO 08	100	1200-2500 mPas	no	SJ	82	for paints with excellent flexibility, good pigment compatibility; for decorative paints and wood stains

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Atresal LO 21	100	1200-2500 mPas	no	HQF	80	Long-oil alkyd with 100 % solid based on natural, renewable raw materials; recommended for natural wood lacquers
Atresal LO 900	100	50-70 Pas (20°C)	no	SJ	72	suitable for the formulation of print inks; good adhesion, fast drying
Atresal LO 950	100	700-1500 mPas (80°C)	no	L	72	suitable for the formulation of print inks; good adhesion, fast drying
Atresal LO 960	100	1200-2500 mPas (80°C)	no	L	72	suitable for the formulation of print inks; good adhesion, compared to LO950 improved drying, good pigment wetting
Atresal LO 135	100	12-20 Pas	no	SJ	65	for paints with excellent adhesion, good flexibility and weather resistance; for decorative paints and wood stains with low yellowing, also for pigment pastes
Atresal LO 62	100	0,5-1,2 Pas	no	Cocos	62	for low odour and non yellowing overprint varnishes and inks
Atresal L2020 HS	100	25-35 dPas	no	VO	73	100% alkyd resin with medium viscosity for the production of high solid paints and pigment pastes, yellowing resistant, good pigment wetting
Atresal L2023 HS	100	400-500 dPas	no	FA	70	Long oil 100%, isophthalic and soya been based alkyd resin, for the production of high solid paints, yellowing resistant, good pigment wetting
Atresal L2094 HS	100	40-50 dPas	no	FA	64	100% alkyd resin with medium viscosity for the production of high solid paints and pigment pastes, yellowing resistant, good pigment wetting

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MEDIUM OIL ALKYD						
Atresal M41/50 K3	50	140-180 sec.	WS	HQF	41	Medium oil alkyd resin for the production of air drying and forced drying lacquers and primers, fast drying properties, high flexibility, high gloss, colour stable
Atresal M49/50 K3	50	45-55 sec.	WS	HQF	49	Medium oil, fast drying alkyd resin for the production of high quality air drying industrial coatings, machine and radiator paints, car repair lacquers, fast surface and through drying
Atresal C49/50 IPY	50	2500-4000 mPas	IP	HQF	48	for premium paints with low yellowing, especially recommended for radiator paints
Atresal C 35/50 D6	50	12000-16000 mPas	AN	HQF	53	for fast drying primer with excellent polishability; in combination with longoil alkyds for satin gloss paints with good spreadability
Atresal C 37/50 D4	50	220-260 s (DIN6)	AN	HQF	53	for fast drying primer and radiator paints, good polishability, good drying
Atresal M491/50 K2 Y	50	65-80 sec.	WS/Y	HQF	49	Medium oil, fast drying alkyd resin for the production of high quality air drying industrial coatings, machine and radiator paints, fast surface and through drying
Atresal MO 511/50 K6	50	1000-2500 mPas	WS	TUNG, L	49	fast drying middle oil alkyd for indoor use, also for wood lacquer
Atresal MO 48/50 IPY	50	2,5 - 4,5 Pas	IP	HQF	48	Air drying medium oil alkyd for the formulation of most odourless and environmentally friendly paints; good drying properties; excellent yellowing resistance
Atresal MO 34/52 D4	52	6-9 Pas	AN	TOFA	55	for low yellowing paints with good flexibility, good hardness and impact resistance, good weather resistance
Atresal M1237/55 K3 X	55	10-14 p (Delivery form) (Method V-X Gardner 25°C)	WS/X	HQF	48	for the production of very fast drying primers, high quality car repair lacquers, very high gloss and flexibility

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Atresal M49/55 D4	55	110-140 sec.	AN	HQF	49	Medium oil, fast drying alkyd resin for the production of high quality air drying industrial coatings, machine and radiator paints, fast surface and through drying
Atresal M49/55 K3	55	45-55 sec.	WS	FA	49	Medium oil, fast drying alkyd resin for the production of high quality air drying industrial coatings, machine and radiator paints, fast surface and through drying
Atresal C 38/60 BA	60	50-100 sec. (DIN6)	BA	HQF	46	for fast drying paints with good elasticity; in combination with amino resin for enamels
Atresal M41/60 X	60	65-85 sec.	X	FA	41	for machine, car repair, PUR-coatings and NC lacquers, aerosols, fast drying properties, good colour fastness, very good yellowing resistance, high flexibility
Atresal MO 2583/75 X	75	550-950 mPas	X	HQF	48	HS middle oil alkyd with relative low viscosity, for the formulation of fast drying paints with good surface hardness; especially recommended for traffic paints
Atresal M41/75 BA	75	100-130 dPas	BA	FA	41	for machine, car repair, PUR-coatings and NC lacquers, aerosols, fast drying properties, good colour fastness, very good yellowing resistance, high flexibility
Atresal M49HS/75 BA	75	60-80 dPas	BA	HQF	49	Medium oil, fast drying alkyd resin for the production of high quality air drying industrial coatings, machine and radiator paints, fast surface and through drying
Atresal M49/75 X	75	45-55sec.	X	FA	49	Low viscosity medium oil alkyd resin based on soya been oil, air-drying, for the production of traffic paints and chlorinated rubber combination lacquers, fast drying, chemical-resistant
Atresal HSM 51/80 D4	80	18-23 Pas	AN	HQF	49	for HS paints and varnishes with good drying, low yellowing, good hardness, also for HS radiator paints

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SHORT OIL ALKYD						
Atresal K381/50 K2	50	70-110sec.	WS	VO	38	for corrosion resistant primers, putties, fillers, fast drying; flexible; stable on storage with alkaline pigments
Atresal K2851/55 K2	55	90-130 sec.	WS	TO/ TUNG	40	Alkyd resin for the production of air- and oven-drying putties, primers and fillers; very good adhesion strength on steel
Atresal F 26/60 X	60	90-120 s (50% DIN4)	X	HQF	27	air- and heat drying; for the formulation of fast drying primer, filler, single-coat lacquer and paints with low yellowing
Atresal SO 32/60 X	60	750-1200 mPas (50°C)	X	HQF	32	for enamels, NC- and 2K-coatings, especially recommended for the formulation of fast drying primer, single-coat-lacquer and paints with low yellowing
Atresal SO 485/60 X	60	3,8 - 4,8 Pas	X	HQF	33	for very fast drying paints with low yellowing, good weather resistance, excellent chalking resistance, excellent adhesion, very good flexibility, good hardness; for industrial coatings, especially for machinery enamels
Atresal K280/60 X	60	90-110 sec.	X	HQF	28	Fast drying alkyd resin, compatible with PVC copolymer, for top coats and primers, good air- and oven-drying
Atresal K30/60 X	60	65-85 sec.	X	HQF	30	for the production of primers, one coat and top coats, also for dipping paints; good surface and through drying
Atresal K370/60 X	60	150-190 sec.	X	L/TO	36	Short oil alkyd resin for primers and fillers
Atresal K381/60 X	60	120-170 sec.	X	VO	38	for corrosion resistant primers, putties, fillers, fast drying; flexible; stable on storage with alkaline pigments
Atresal K29/60 X	60	65-80 sec.	X	CO	29	Short oil alkyd resin based on dehydrated castor oil, for stove drying primers and lacquers, for machine paints and car repair lacquers, highly reactive resin, also for AC and NC coatings
Atresal K35/60 X	60	55-75 sec.	X	HQF	35	Non drying alkyd resin for high quality stoving enamels, colour stable up to 150°C

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Atresal SO 498/65 BA	65	1600-2600 mPas	BA	CO	42	for industrial coatings, good abrasion resistance, good hardness
Atresal K1297/65 X	65	3000-4000 mPas	X	SJ	39	for air drying top coats with very high durability
Atresal SO 980/70 EM	70	6-8 Pas	EMP	TOFA	39	in combination with amino resin for acid curing lacquers with fast drying, excellent stability and low yellowing, high sold content
Atresal C 32/75 BA	75	20-35 s (50% DIN4)	BA	HQF	32	for enamels, NC- and 2K-coatings, especially recommended for the formulation of fast drying primer, single-coat-lacquer and paints with low yellowing
Atresal K32/75 BA	75	100-130 dPas	BA	HQF	32	for the production of primers, one coat and top coats, also for dipping paints; good drying
Atresal K40/75 BA	75	100-130 dPas	BA	HQF	39	Low viscous peanut alkyd for the production of high solid nitro combined and acid curing lacquers with fast solvent release, good lightfastness, high hardness, high flexibility
Atresal K251/75 X	75	85-135 dPas	X	HQF	25	Low viscosity short oil alkyd resin for PUR- SH- and NC-coatings, colour stable stoving paints
Atresal K410/75 BA	75	30-45 sec.	BA	HQF	41	for baking enamels, NC and PUR coatings; in particular for non yellowing furniture paints
Atresal K1485/75 BA	75	200-300 dPas	BA	VO	33	Alkyd resin with very fast surface and through drying, low yellowing; good adhesion, hardness and weather resistance
Atresal K2253/75 SN	75	90-125 dPas	SN	TOFA	41	High solid short oil alkyd for industrial paints with good weather resistance
Atresal K1485HS/80 X	80	400-500 dPas	X	VO	33	Short oil alkyd resin with good surface and through drying, low yellowing, good adhesion and hardness

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THIX-ALKYD						
Atrethix 32/54 D4	54	/	AN	TOFA	60	rate of 30-70% is recommended; for paints with good brushability, high stability and antisagging properties
Atrethix 78/55 D6	55	/	AN	TOFA	62	high gel-starch, easy to use, rate of 30-70% is recommended, for paints with excellent brushability, high stability, antisagging properties and excellent flow.
Atrethix 1/60 K6	60	/	WS	SJ, TOFA	75	good stability against inhomogeneity and syneresis even at low solid content, flexibility is maintained for a long time at outdoor exposure
Atrethix 3/60 IPL	60	/	IP	TOFA	64	good stability against inhomogeneity and syneresis even at low solid content, flexibility is maintained for a long time at outdoor exposure
Atrethix 133/65 DZ	65	/	AN	FA, TOFA	69	thixotropic long oil alkyd, easy to use, well pumpable, proportion of thixotropic resin: 55%; for paints with excellent brushability, high stability, good flow
Atrethix HS10/70 D6	70	/	AN	SJ, TOFA	63	for HS-paints, good stability against inhomogeneity and syneresis, flexibility is maintained for a long time at outdoor exposure
Atrethix HS20/70 D6	70	/	AN	SJ	63	for HS-paints, good stability against inhomogeneity and syneresis, flexibility is maintained for a long time at outdoor exposure, better hardness as Atrethix HS10/70 D6
Atrethix HS30/80 D6	80	/	AN	FA	63	for HS-paints, good stability against inhomogeneity and syneresis, flexibility is maintained for a long time at outdoor exposure, increased solid content with constant thixotropy compared to Atrethix HS10/70 D6

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MODIFIED ALKYD						
Atresal ST 31/60 BA	60	14,5-19,5 dPas	BA	FA/ TUNG	31	Styrene modified alkyd resin, very fast drying, good water and chemical resistance, good recoatability
Atresal ST 31/60 X	60	17-27 dPas	X	FA/ TUNG	31	Styrene modified alkyd resin, very fast drying, good water and chemical resistance, good recoatability
Atresal C 44/60 KY	60	75-100 sec. (50% DIN4)	WS	HQF	40	with phenolic modified alkyd resin for fast drying primer, antirust primer and zinc-base-primer; very good adhesion
Atresal VT331/60 K3	60	45-55 dPas	WS	FA/ TUNG	33	Fast-drying vinyl toluene alkyd, low viscosity, good pigment wetting; flow and filling power
URETHANE-ALKYD						
Atrepur 340/54 D4	54	8000-12000 mPas	AN	SJ	60	for fast drying paints with good abrasion resistance and good water and chemical resistance, recommended for decorative paints, high quality wood stains and high quality air drying industrial enamels
Atrepur 288/60 D4	60	4000-6000 mPas	AN	SJ	60	for fast drying paints with good abrasion resistance and good water and chemical resistance, recommended for decorative paints and high quality wood stains
Atrepur U1350/60 D4	60	40-60 dPas	AN	VO	60	Urethane alkyd for fast drying primers and top coatings with good water and chemical resistance, high abrasion resistance
Atrepur U600/60 D4	60	26-35 dPas	AN	HQF	60	Urethane alkyd for the production of fast drying lacquers and corrosion resistant systems, good gloss fastness, good weather resistance
Atrepur U41/65 BA	65	17-33 dPas	BA	HQF	41	Medium oil urethane modified alkyd resin, based on special fatty acids, for the production of air drying and forced drying lacquers and primers, good adhesion and flexibility

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Atrepur HS 550/70 D4	70	13000 - 17000 mPas	AN	VO	58	fast-drying, low VOC-content, high abrasion resistance, good water and chemical resistance, for decorative paints, lacquer and high quality air drying industrial enamels, regarding drying properties and hardness improved version of Atrepur HS 500/70 D4
Atrepur HS 600/70 IPL	70	5000 - 9000 mPas	IP	VO	63	fast-drying, low VOC-content, low odour, high abrasion resistance, good water and chemical resistance, for decorative paints, lacquer and HS - parquet paints
Atrepur HS 700/70 D4	70	9000 - 13000 mPas	AN	HQF	60	fast-drying, low VOC-content, high abrasion resistance, good water and chemical resistance, for decorative paints, lacquer and high quality air drying industrial enamels; lower colour and better drying than Atrepur HS600/70 IPL
Atrepur U600/HS70 IP J	70	45-65 dPas	IP/J	HQF	60	Urethane alkyd for the production of fast drying lacquers and corrosion resistant systems
Atrepur U600HS/75 D4	75	45-65 dPas	AN	HQF	60	Urethane alkyd for the production of VOC compliant, fast drying lacquers and corrosion resistant systems, good hardness
Atrepur HS 800/80 D4	80	6-10 Pas	AN	HQF	60	fast-drying, low VOC-content, high abrasion resistance, good water and chemical resistance, for decorative paints, lacquer and high quality air drying industrial enamels; lower colour and better drying than Atrepur HS600/70 IPL; increased solid content
Atrepur U1010 HS	100	80-100 dPas	no	TO	82	Aliphatic 100% urethan alkyd resin, medium viscosity, for the production of VOC compliant paints, yellowing resistant, fast drying
Atrepur LO10	100	34-42 s	no	HQO	89	100% long oil Urethane alkyd for the production of high solid coatings with relative low viscosity, very good yellowing stability and good surface drying properties, especially recommended for high solid wood coatings

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SILICONIZED ALKYD

Atresil M52/85 D4	85	2 - 10 Pas	AN	HQF	56	silicone modified High-Solid Medium Oil Alkyd, recommended for high weatherproof outdoor paints
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ADDITIVES AND SPECIALITIES

Atresal C 45/75 BA	75	75-120 sec. (DIN 4)	BA	/	/	PVC-free softening agent, increases elasticity of the coating and respectively keeps lacquers in perpetuity elastic, avoids embrittling in dispersions applicable as film-forming-aid
Atreplus LA 20	100	50-70 sec. (DIN 4)	no	HQF	k.A.	low viscous binder system for varnishes, lacquers and impregnation, also for low solvent penetrating- and wood oils
Semipolymerginsäure C 21	100	0,7-1,0 Pas	no	HQF	k.A.	Additive based on fatty acid. Surface active material which can be used as wetting agent, surfactant or as add-on for lubricants

REACTIVE DILUENT

Atresal RV 300	100	55-75 sec. (DIN4)	no	HQF	95	allows the formulation for paints with a reduced VOC-content, additional an improvement of flow is possible, good pigment compatibility
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WS=White Spirit; AN=Aliphatic Naphtha; IP=Isoparaffin; BA=Butylacetat; X=Xylene; EMP=Ethoxy-, Methoxypropanol; MEK=Methylethylketon; A=Aceton; SN=Solvent Naphta 150; S1= Solvent Naphta 100; BG=Butylglycol;MPA=Methoxypropylacetat; MI=Methyl-Isobutylketon; BGA=Butylglykolacetat; EEP=Ethylethoxypropionat; XBS=conglomeration of Xylol, Butylacetat, Solvent Naphta; EMB: conglomeration of EEP, MPA und BA; TPnB=Dowanol TPnB; Y=further solvent additives; no=solventfree

SJ=Soya; L=Linseed; TO=Talloil; TOFA=Talloil Fatty Acid; HQF=High Quality Fatty Acid; HQO=High Quality Oil; TUNG=Tung; CO=Castor Oil; FA=Fatty Acid; VO=Vegetable Oil