

ALKYD ALKYD MODIFIED

Our product overview



THE RIGHT RESIN AND ADDITIVE FOR YOUR PROJECT





OUR mission: to form a cohesive whole. As soon as our binders get to work, there is no escape in the truest sense of the word for the other substances involved in your paints, coatings or adhesives. Binders are therefore one of the most important building blocks for your end products.

Our binders not only cover a wide variety of applications areas, but they also offer great potential for more sustainable chemistry. We are already producing many binders on the basis of renewable raw materials. Indeed, we continually work to keep moving in this direction.



HIGH QUALITY WOOD COATING TECHNOLOGIES



Our premium line of **SOLVENT-BORNE ALKYD COATING RESINS**, delivers the desired flow and leveling characteristics of oil-based paint, with the added benefit of an easy soap and water cleanup.



Wie are manufacturer of modern binders and additives for extreme demands

VaraLac; Alkyd resins, solvent-based, short-oil, air-drying

Type	Oil [%]	Oil type	PA [%]	Color/ Gardner	Acid value [mgKOH/g]	Flow time 20°C [s]	Supply Form [%]	Main uses and characteristics
AC 3550	25	Drying vegetable fatty acids	17	max. 5	max. 10	150 – 210 (50% in ws 135-175)	60 in ws 135-175	Acrylic mod. alkyd for fast drying primers and topcoats.
AC 3551	25	Drying vegetable fatty acids	17	max. 5	max. 10	90 -150 (50% in xylene)	60 in xylene	Acrylic mod. alkyd for fast drying primers and topcoats.
AC 3943	29	Drying vegetable fatty acids	19	max. 5	max. 12	30 – 60 (50% in xylene)	75 in xylene	Acrylic modi. alkyd for fast drying low VOC primers, outstanding broad adhesion on different substrates, good corrosion protective properties.
AC 3209	28	Drying vegetable fatty acids	18	max. 5	max. 8	7.000–8.000 mPa.s	65 in xylene	Acrylic modi. alkyd for fast drying low VOC primers, white topcoats.
LH 3702	38	Linseed / tung oil	25	max. 15	max. 20	90-130 (40% in dearom. HC 160-200)	50 in HC 160-200	Dearomatic base- and topcoats, air drying.
MH 3338	39	Mixed fatty acids / tung oil	38	max. 15	max. 25	140 – 170 (50% in xylene)	60 in xylene	Primers and topcoats, good elasticity and resistance properties.
MH 3342	42	Drying vegetable fatty acids	24	max. 15	max. 20	120 – 150 (50% in ws 135-175)	60 in dearom. 135-175	Primers and topcoats, "Laroflex" (BASF) compatibility.
S 3001	40	Soya fatty acids	27	max 5	max. 15	4.000–8.000 mPa.s	60 in xylene	Very fast drying alkyd resin for airdrying primers and topcoats.
S 3003	30	Drying vegetable fatty acids	35	max. 10	max. 12	20 – 35 (50% in xylene/MPA)	75 in xylene/MPA	Low viscous, fast drying alkyd resin for manufacturing low VOC industrial primers and topcoats.
SM 3340	40	Drying vegetable fatty acids	30	max. 10	max. 20	130 – 170 (50% in xylene)	60 in xylene	Fast drying primers and top, good elasticity, good resistance properties.
SM 3400	34	Drying vegetable fatty acids	30	max. 10	max. 20	90 – 110 (50% xylene)	60 in xylene	Fast drying primers and paints with excellent durability, with amino resins reactive stoving films with good stability, "Laroflex" (BASF) compatibility.
SM 3426	26	Drying vegetable fatty acids	40	max. 10	max. 15	90-110 (50% xylene)	60 in xylene	Very fast drying alkyd resin for air- and forced drying primers and topcoats.
SM 3433	33	Drying vegetable fatty acids	38	max. 10	max. 15	60 – 80 (50% in xylene)	60 in xylene	Fast drying primers and topcoats, high solids, low thermoplasticity, "Laroflex" (BASF) compatibility.
TT 3502	35	Drying vegetable fatty acids	24	max. 15	max. 20	60 – 70 (60% in xylene)	80 in xylene	Low viscous, fast drying alkyd resin for low VOC industrial primers.
V 3298	38	Drying vegetable fatty acids	25	max. 10	max. 20	90 – 130 (40% in ws 135-175)	55 in ws 135-175	Fast drying primers, very good elasticity and durability, dilutable with white spirit.
V 3506	33	Special vegetable fatty acids	38	max. 10	max. 20	55 -70 (50% in xylene)	60 in xylene	Suitable for the production of stoving primers and topcoats. When using highly reactive amino resins, in order to improve the storage stability of e.g. alcohols are recommended.
S 3375	38	Drying vegetable fatty acids	26	max. 10	max. 10	30 – 45 (60% in BAC)	75 in BAc	Fast drying corrosion primers, acid curing wood coating, with very good elasticity, hardness and durability,.
W 3932	35	Special vegetable fatty acids	19	max. 5	max. 15	55 – 70 (50% in xylene)	75 in xylene	Silicone-modified, short-oil alkyd resin, mainly for the use in industrial coatings, good drying and resistance properties.
W 3126	37	Drying vegetable fatty acids	23	max. 10	max. 15	100 – 150 (60% in xylene)	75 in xylene	For fast drying primers and topcoats, PU-coatings, OH= 2.1%.
W 3070	38	Special fatty acids	23	max. 10	max. 10	max.30.000 mPa.s	80% in X/MPA	For air-drying industrial coating.

VaraLac; Alkyd resins, solvent-based, medium-oil, air-drying

Type	Oil [%]	Oil type	PA [%]	Color/ Gardner	Acid value [mgKOH/g]	Flow time 20°C [s]	Supply Form [%]	Main uses and characteristics
B 2845	45	Special fatty acids	25	max. 10	max. 15	80 – 100 (40% in ws 145-195)	55 in ws 145-195	Fast drying radiator paints, automotive and machinery, refinishing enamels with good gloss, Laroflex compatibility.
B 2850 U	45	Special fatty acids	17	max. 15	max. 15	80 – 120 (40% in ws 145-195)	50 in ws 145-195	Urethan modified, extremely fast drying, for primers and topcoats with good recoatability.
B 2901	49	Cotton oil	24	max. 12	max. 12	60 – 70 (40% in dearmat. HC 160-200)	50 in dearmat. HC 160-200	Fast drying, for air- and forced drying industrial, vehicle and machine paints as well as dearmat. do-it-yourself and radiator paints.
B 2902	49	Cotton oil	24	max. 12	max. 12	65 – 75 (55% in dearmat. HC 160-200/MPA; 3/1)	75 in dearmat. HC 160-200/MPA	Fast drying, for air- and forced drying industrial, vehicle and machine paints as well as dearmat. do-it-yourself and radiator paints.
DS 2005	40	Special vegetable fatty acids	24	max. 15	max. 15	80 – 120 (60% in dearmat. HC 160-200/MPA; 2/1)	80 in dearmat. HC 160-200/MPA	Low viscous, short oil, silicon modified, alkyd resin; it is suitable for the production of high quality top- and one layer coats; paints on basis DS 4005 show good drying and through drying, high permanent elasticity, good adhesion on different substrates and high outdoor resistance; in addition these paints enable a good corrosion protection.
BS 2830	45	Special fatty acids, silicon modified	17	max. 15	max. 15	55 – 70 (50% in ws 145-195)	60 in ws 145-195	Silicon-modified alkyd for high quality industrial and maintenance paints with very good drying properties, high gloss retention and corrosion resistance.
BS 2050	50	Special vegetable fatty acids	17	max. 15	max. 15	25 – 40 (50% in dearmat. HC 160-200)	80 in dearmat. HC 160-200	Low viscous, air-drying, silicon- modified alkyd resin for industrial and house paints, low VOC.
BSA 2015	49	Special vegetable fatty acids	15	max. 12	max. 12	40 – 60 (60% in dearmat. HC 160-200)	85 in dearmat. HC 160-200	Low viscous, air-drying, especially modified alkyd resin with good resistance properties for decorative and house paints, low VOC.
BT 2001	50	Special vegetable fatty acids	24	max. 12	max. 12	60 – 70 (50% in dearmat. HC 160-200)	65 in dearmat. HC 160-20	Fast airdrying alkyd resin for low VOC house paints and dearmatized machine-, industrial and D.I.Y.-paints.
FC 2555	55	Special fatty acids	16	max. 10	max. 10	35 – 50 (40% in dearmat. HC 160-200)	55 in dearmat. HC 160-200	Fast drying, low odour and dearmatized radiator and D.I.Y.-paints with high gloss and good yellowing resistance.
S 2351	51	Soya oil	23	max. 10	max. 15	130 – 170 (40% in dearmat. HC 160-220)	50 in dearmat. HC 180-220	White undercoatings, mat and semi gloss enamels with good flow properties.
S 2352	51	Soya oil	23	max. 10	max. 15	9.000–16.000 mPas, 20 °C	60 in isop. HC 170-200	Undercoatings, silk gloss and mat enamels with good flow properties.
SD 2027	50	Special vegetable fatty acids	24	max. 10	max. 15	120 – 170 (40% in dearmat. HC 160-200)	50 in dearmat. HC 180-220	SD 2027 is a medium-oil, quick-drying alkyd resin for the universal use in air- and heat-drying industrial, automotive and machine paints.
SD 2913	49	Special vegetable fatty acids	16	max. 12	max. 12	max. 15.000 mPa.s	85 in dearmat. HC 160-200	Low viscous, air-drying, especially modified alkyd resin with good resistance properties for decorative and house paints, low VOC with good resistance properties.

VaraLac; Alkyd resins, solvent-based, medium-oil, air-drying

Type	Oil [%]	Oil type	PA [%]	Color/ Gardner	Acid value [mgKOH/g]	Flow time 20°C [s]	SupplyForm [%]	Main uses and characteristics
S 2549	50	Soya oil	27	max. 10	max. 15	60 – 65 (40% in ws 145- 195)	55 in ws 145-195	Fast drying automotive and machinery refinishing enamels.
SO 2554	55	Soya oil	15	max. 10	max. 10	70 -100 (40% in isop. HC 170-200)	50 in ws 145-195	Fast drying, low odour, dearomatized machinery industry and D.I.Y.-paints.
VS 2162	41	Special fatty acids	28	max. 10	max. 20	3.00 – 7.500 mPa.s /20°C	50 in dearomat. HC 160-200	Extremely fast drying car refinishing, machinery and industrial paints with high gloss, good through drying.
VS 2163	43	Special fatty acids	23	max. 10	max. 10	130 – 150 (50% ws 130-175)	75 in dearomat. HC 160-200/ MPA	Extremely fast drying car refinishing, machinery and industrial paints with high gloss, good through drying.
VS 2543	50	Special fatty acids	24	max. 10	max. 15	50 – 70 (40% in ws 145- 195)	55 in ws/x	Fast drying car refinishing, machinery and industrial paints with high gloss, good through-drying.
AM 2199	50	Air-drying fatty acids	25	max. 7	max. 7	520 – 1.000 mPa.s/25° C	55 In white spirit / xylene / butanol (89/9/2)	Used in automotive repair enamels, enamels for cars, trucks and buses, enamels for tractors and agricultural equipment and also for air-drying industrial enamels, good drying properties, very good body, good colour, gloss retention and exterior durability.
AF 2288	48	Special linoleic fatty acids	26	max. 5	max. 10	25.000- 35.000 mPa.s/23° C	40 in white spirite	Medium-oil alkyd resin based on linoleic fatty acids, used in wall paints, flat enamels, undercoats, offers high viscosity, brushability, fast initial drying and good through hardening, yellowing resistance and penetration properties and offers good pigment binding power.
AK 2410	53	Tall oil fatty acids	25	max. 6	5-10	3.100 – 3.900 mPa.s/23° C	52 in white spirit/ xylene	Medium-oil chain stopped alkyd resin based on tall oil fatty acids, prayable enamels for semi-industrial purposes on steel and wood and decorative enamels for interior and exterior use. OH-content (non solids) 2.0 %.
AC 2054	-	vegetable oil	-	max. 6	max. 10	max. 500 mPa.s/25° C	36 in dearomat. HC 160-200	Modified medium oil alkyd resin based on vegetable oil, for industrial topcoats, primers and base coats with high hardness and good yellowing resistance. Because of the solubility in aliphatic hydrocarbons. it can be applied by brushing, rollers or spraying equipment.



VaraLac; Alkyd resins, solvent-based, long-oil, air-drying

Type	Oil [%]	Oil type	PA [%]	Color/ Gardner	Acid value [mgKOH/g]	Flow time 20°C [s]	Supply Form [%]	Main uses and characteristics
AC 1030	60	Special vegetable fatty acids	-	max. 5	max. 10	65 – 105 (70% in dearomat. HC 160-200)	85 in dearomat. HC 160-200	Acrylated alkyd resin with good yellowing resistance, mainly for the use in low VOC house and decorative paints.
B 1865	65	Cotton / Soya	22	max. 8	max. 15	70 – 90 (50% in ws 145-195)	60 in ws 145-195	High quality house, decorative and D.I.Y.-paints with good flow, high gloss, good outdoor resistance.
B 1865	65	Cotton / Soya	22	max. 8	max. 15	40 – 50 (dearomat. HC 160-200)	65 in dearomat. HC 160-200	High quality house, decorative and D.I.Y.-paints with good flow, high gloss, good outdoor resistance.
B 1868	68	Vegetable fatty acids	21	max. 10	max. 15	20 – 40 (50% in dearomat. HC 160-200)	70 in dearomat. HC 160-200	High quality gloss paints, excellent brushability, gloss retention and good drying properties.
R 1048	68	Vegetable fatty acids	21	max. 10	max. 15	2.500 – 6.500 mPa.s.	75 in dearomat. HC 160-200	Long-oil low viscosity drying alkyd for high quality air-drying gloss paints.
B 1870	69	Vegetable fatty acids		max. 10	max. 15	60 – 80 (60% in ws 145-195)	75 in ws 145-195	House paints with good brushability, high film build, good flow and excellent gloss retention.
CR 1155	63	Special fatty acids / urethane modified	17	max. 10	max. 10	200 – 300 (60% in ws 145-195)	70 in ws 145-195	In combination with medium-oil alkyds for high quality car repair finishes and industrial paints.
L 1800	68	Linseed oil	22	max. 10	max. 10	4.500 – 6.000 mPa.s/20°C	81 in dearmat. HC 160-200	Anti-corrosive, D.I.Y.- and house-paints with high film build and good flow properties.
L 1904	79	Linseed oil	-	max. 10	max. 15	8,000–10.000 maP.s	100	High solid clear lacquers, wood glazings and high solid primers.
L 1004	80	Linseed oil	-	max. 10	max. 15	30-40 (70% in dearmat. HC 160-200)	100	Very low viscouse alkyd resin for wood impregnation and wood glazings.
P 1151	64	Special fatty acids	22	max. 10	max. 10	130 – 190 (80% in ws 145-195)	100	Low viscous, for high conc. Pigment preparations, very good compatibility properties.
R 1290	90	Linseed oil	-	max. 15	max. 15	500 mPa.s/20°C	100	Extremely low viscous alkyd resin, specially suitable for the manufacture of low VOC and VOC-free parquet, terrace- and maintenance oils and also of wood stains and glazings, castings. It shows specially very good penetration, permanent elasticity and weather resistance.
RS 1174	74	Special fatty acids	-	max. 10	max. 6	max. 750 mPa.s/20°C	100	Combination resin for other alkyd resins, improving penetration, decreasing viscosity, VOC reduction, sole binder for wood care and coating products.
S 1400	63	Soya oil	26	max. 10	max. 12	120 – 150 (50% in dearomat. HC 160-200)	60 in dearomat. HC 160-200	Consumer, decorative, D.I.Y.- and anti-corrosive paints.
S 1304	73	Soya oil	-	max. 8	max. 11	47.000-55.000 mPa.s/20°C	100	Low viscous, air-drying decorative and house paints.
T 1313	73	Special fatty acids	-	max. 10	max. 10	8.500–13.000	100	Modified alkyd resin for the production of paints and building varnishes, low VOC.
S 1365	65	Vegetable fatty acids	25	max. 10	max. 15	70 – 90 s 50% in W	60	Do-It-Yourself and building protection paints.
SB 1401	64	Special fatty acids	-	max.10	max. 18	60 – 80 (70% in HC 160-200)	90 in dearomat. HC 180-220	Low viscous, air-drying alkyd long-oil resin for decorative and house paints, low VOC.
SC 1965	65	Special vegetable fatty acids	22	max. 10	max. 15	35 – 50 (50% in dearmat. HC 180-220)	70 in dearomat. HC 180-220	High quality house, very good brushability, flow and leveling, high gloss.
B 1301	64	Special vegetable fatty acids	-	max. 10	max. 18	60 – 80 s (70% in HC 16-200)	100	A low-viscosity, air-drying, long-oil alkyd resin for the production of paints and building paints, low VOC.

VaraLac; Alkyd resins, solvent-based, long-oil, air-drying

Type	Oil [%]	Oil type	PA [%]	Color/ Gardner	Acid value [mgKOH/g]	Flow time 20°C [s]	Supply Form [%]	Main uses and characteristics
SD 1003	70	Special vegetable fatty acids	-	max. 10	max. 15	4.000–12.000 mPa.s/20°C	85 in dearomat. HC 160-200	Low viscous, air-drying long-oil alkyd resin for the production of decorative and house paints, low VOC.
SD 1200	72	Special vegetable fatty acids	-	max. 10	max. 15	2.000 – 5.000 mPa.s/20°C	85 in dearomat. HC 160-200	Low viscous, long-oil alkyd resin for the production of decorative and house paints, low VOC.
SD 1300	83	Special fatty acids	-	max. 10	max. 15	3.000 – 6.000 mPa.s/20°C	100	Low viscous, long-oil alkyd resin for the production of decorative and house paints, low VOC, especially suitable as combination partner for other alkyd resins.
T 7800	78	Special vegetable fatty acids	-	max. 10	max. 15	6.500–12.000 mPa.s/20°C	100	Low viscous, air-drying, long-oil alkyd resin for house paints, glazings, D.I.Y.- and anti-corrosive paints.
AN 1586	67	Castor oil	10	max. 5	10 - 15	1.400 – 2.200 mPa.s/23°C	100	Plasticising resin for cellulose nitrate combination lacquers and other physically drying lacquers and pigment pastes with flexibility, pigment wetting and viscosity stability.
AH 1263	72	Mixed fatty acids	-	max. 8	max. 10	2.000 – 3.500 mPa.s/23°C	100	User for decorative high solid paints and stains for interior and exterior, protective and maintenance primers and topcoats with attainable solids, bushability and speed drying properties.
AH 1265	70	Mixed fatty acids	-	max. 8	max. 10	2.000 – 3.000 mPa.s/23°C	100	User for decorative high solid paints and stains for interior and exterior, protective and maintenance primers and topcoats with attainable solids, bushability and speed drying properties.
L 1055	-	Safflower oil	-	max. 8	5 - 12	15.000-17.500 mPa.s/40°C	80	A good wetting and fast drying binder for Printing inks.
AH 1928	70	Special vegetable fatty acids	-	max. 10	max. 6	max. 750 mPa.s	100	An extremely low viscosity air drying binder as additional resin for the viscosity reduction.
SB 1442	96	Vegetable fatty acids	-	-	Gel-like/creamy	1.000 – 7.000 mPa.s/23°C	30 in isoparafin. HC 180-220	A saponification stable binding agent. It is particularly suitable for the formulation of wall and ceiling paints, which are designed for very absorbent substrates.
SB 1446	96	Vegetable fatty acids	-	-	Gel-like/creamy	1.500 – 8.000 mPa.s/23°C	30 in isoparafin. HC 180-220	A saponification stable binding agent. It is particularly suitable for the formulation of wall and ceiling paints, which are designed for very absorbent substrates.
SF 1740 H	74	Vegetable fatty acids	26	max. 10	max. 10	3.500 – 6.500	90 in D60	High qualitative decorative paint for internal and external applications.



ALKYD URETHANES, STYRENE AND PHENOLIC

A selection of solvent based, alkyd urethanes; styrene and phenolic modified with high weather- and color-stability, high chemical resistance, high hardness and fast drying / curing.



VaraLac; Alkyd resins, solvent-based, urethane-modified

Type	Oil [%]	Oil type	PA [%]	Color/ Gardner	Acid value [mgKOH/g]	Flow time 20°C [s]	Supply Form [%]	Main uses and characteristics
B 1865 U	62	Vegetable fatty acids	16	max. 10	max. 10	70 – 100 (50% in ws 145-195)	55 in ws 145-195	Uretahne-modified, for wood varnishes, floor coatings and industrial primers and top coats.
B 1866 H	62	Vegetable fatty acids	16	max. 10	max. 10	45 – 60 (50% in dearmat. HC 180-220)	60 in dearmat. HC 180-220	Uretahne-modified, for wood varnishes floor coatings and industrial primers and topcoats.
S 5703	57	Soya oil fatty acids	21	max. 5	max. 10	5.000 – 7.000 mPa.s/20°C	55 in ws 145-195	Aliphatic urethane-modified alkyd resin, use as B 1865 U with better yellowing resistance.
S 6003	60	Soya fatty acids	19	max. 10	max. 5	23 – 33 (40% in dearmat. HC 160-200)	51 in dearmat. HC 160-200	Use as B 1865 U with faster drying and harder film properties.
S 6004 FD	59	Special fatty acids	18	max. 10	max. 5	30 – 40 (40% in dearmat. HC 160-200)	50 in dearmat. HC 160-200	Use as S 6003 with even faster drying.
SD 6403	64	Special vegetable fatty acids	12	max. 6	max. 10	55 – 80 (45% in dearmat. HC 160-200)	55 in dearmat. HC 160-200	Urethane-modified alkyd resin with good adhesion properties e.g. for renovation coatings on UV parquet sealers.
SD 6803	68	Linseed oil	-	max. 10	max. 15	7.000 – 10.000 mPa.s/20°C	75 in dearmat. HC 160-200	Low viscous, urethane alkyd resin for decorative and house paints, low VOC, especially suitable as combination partner to improve drying, through drying and hardness.
V 5241 U	81	Linseed oil	-	max. 10	max. 3	10.000-15.000 mPa.s/20°C	approx. 100	Low viscous, oil-modified polyethane for high-solid environmentally friendly coating systems and jointing mortar.
UR 5210	56	Soya oil	-	max. 7	max. 6	3.000 – 4.500 mPa.s/23°C	55 in dearmat. ws	For decorative enamels, primer and topcoat garden furniture, boat varnish / parquet flooring, general metal and maintenance with high gloss, drying speed and yellowing resistance.
UR 5204	61	Soya oil	-	max. 7	max. 4	5.000 – 6.000 mPa.s/23°C	60 in ws 145-195	For scratsch resistance semi gloss paints, abrasion resistance floor paints and wood finish/boat varnishes and ship repair, it offers high viscosity, fast initial drying and good through hardening.
UR 5202	60	Linoleic rich oil	-	max. 7	max. 5	3.500 – 5.500 mPa.s/23°C	50 in ws	For scratsch resistance semi gloss paints, abrasion resistance floor paints and wood finish/boat varnishes and ship repair, it offers high viscosity, fast initial drying and good through hardening.
UR 5314	57	Linseed / soya oil	-	max. 6	max. 2	2.200 – 3.000 mPa.s/23°C	60 in ws	For clear floor varnishes, corrosion resistant metal primers, marine paints / varnishes and maintenance primers.
UB 2088	52	Special fatty acids	-	max. 10	max. 15	10.000-30.000 mPa.s	100	A medium oil, urethanized bio alkyd resin for highly filled aqueous, exterior paints. The share of renewable raw materials is 95%.
UR 8003	80	Soya oil	-	max. 10	max. 1	40.000-50.000 mPa.s	100	Oil-modified polyurethane, particularly suitable for the production of wood preservative impregnations and wood stain colors.
W 2308	66	Soya oil	-	max. 10	max. 3	4.000 – 12.000	60 in ws	For furniture lacquers/flooring, primers for steel and marine paints.



VaraLac; Alkyd resins, solvent-based, styrene-modified

Type	Oil [%]	Oil type	Color/ Gardner	Acid value [mgKOH/g]	Viscosity [mPa.s]/23°C	Supply Form [%]	Main uses and characteristics
ST 381	34	Mixed fatty acid	max. 5	3-10	1.700 – 2.300	60 in xylene	Sytrene modified short-oil alkyd resin based on mixed fatty acids, in industrial spray enamels, corrosion resistant metal primers, marine paints / varnishes and maintenance primers, glossy topcoats and hammer finishes, with good drying speed, gloss level, filling properties and hardness.
ST 388	31	Mixed fatty acid	max. 5	3-10	1.500 – 3.000	60 in xylene	Sytrene modified short-oil alkyd resin based on mixed fatty acids, in industrial spray enamels, corrosion resistant metal primers, marine paints / varnishes and maintenance primers, glossy topcoats and hammer finishes, - good drying speed, gloss level, filling properties and hardness.
ST 384	45	Tall oil fatty acids	max. 5	max. 11	1.070 – 1.760	60 in xylene / toluene	Sytrene modified short-oil alkyd resin based on tall oil fatty acids, ST 384 XT-60 is a universally employed resin for quick drying primers, enamels and hammer finishes, for hammer and industrial rapid paints, road marking and flooring, corrosion resistant metal primers, marine paints / varnishes and maintenance primers, glossy top coats and hammer finishes, very quick drying, excellent hardness, gloss level, filling properties and hardness and good salt spray resistance.
ST 389	29	Special mixed fatty acids	max. 5	max. 6	2.270 – 2.760	60 in xylene / toluene	Sytrene modified short-oil alkyd resin based on mixed non-yellowing fatty acids, for hammer and industrial rapid paints, road marking and flooring and corrosion resistant metal primers, marine paints / varnishes and maintenance primers - glossy topcoats and hammer finishes with good properties, very quick drying, excellent hardness, gloss level, filling properties and hardness and good salt spray resistance.
ST 343	-	Special fatty acids	max. 6	max. 6	10.000-15.000	80 in xylene	Styrene modified alkyd for industrial spray enamels, corrosion resistant metal primers, marine paints / varnishes and maintenance primers, glossy topcoats and hammer finishes, - good drying speed, gloss level, filling properties and hardness.
ST 313	-	Tallo oil fatty acid	max. 5	max. 10	-	55 in xylene	Styrene modified alkyd for industrial spray enamels, corrosion resistant metal primers, marine paints / varnishes and maintenance primers, glossy top with good drying speed, gloss level, filling properties and hardness.



VaraLac; Alkyd resins, solvent-based, phenolic-modified

Type	Oil [%]	Oil type	Color/ Gardner	Acid value [mgKOH/g]	Flow time 20°C [s]	Supply Form [%]	Main uses and characteristics
AP 438	38	Linseed / tung oil	max. 10	max. 15	250 – 300 (50% in xylene)	60 in xylene	Phenolic modified, for fast drying primers and topcoats, putties and fillers.
AP 439	39	Mixed fatty acids	max. 10	max.25	100 – 130 (50% xylene)	60 in xylene	Phenolic modified, fast drying primers and topcoats, ``Laroflex`` (BASF) compatibility.
AP 458	35	Linseed / tung oil	max. 10	max.20	6.000 – 8.500 mPa.s/23°C	60 in xylene	Phenolic modified short-toil alkyd resin based on linseed/tung oil, used in anti-corrosive primers, non lifting fillers and machinery paint, heavy duty (anti-corrosives) and one coat systems for metal with good drying sped, processes hardness and salt spray resistance,



ALKYD SOLVENT-BASED; STOVING/NC/PU CURING



High quality resins for wood; automotive OEM & refinish; protective; metal



VaraLac; Alkyd resins, solvent-based, stoving/reactive/NC-combination

Type	Oil [%]	Oil type	PA [%]	Color / Gardner	Acid value [mgKOH/g]	Flow time 20°C [s]	Supply Form [%]	Main uses and characteristics
C 628	28	Saturated fatty acids	47	max. 10	max. 15	40 – 60 (50% in xylene)	70 in xylene	High quality non yellowing stoving enamels, NC- and PU-coatings, colourless and pigmented. Hydroxyl content (on solid) = 2.0-2.4 %.
C 632 M	32	Specially modified fatty acids	37	max. 10	max. 18	40 – 60 (50% in BuAc)	65 in BuAc	NC-lacquers with properties as acid curing systems but without formaldehyde, aromatic free. Hydroxyl-content (on solids) = 2.7-3.3%.
C 640	38	Saturated fatty acids	37	max. 10	max. 15	40 – 60 (50% in xylene)	60 in xylene	NC-lacquers with fast solvent release, good yellowing resistance and recoatability for paper and wood.
C 743 hs	12	Synthetic fatty acids	40	max. 10	max. 20	40 – 60 (60% in aromat. HC 155-180)	80 in aromat. HC 155-180	High solids one component stoving paints with high reactivity and very good mechanical properties. Hydroxyl content (on solid) = 3.0-3.6%.
SD 732	32	Special fatty acids	48	max. 8	25-40	80 – 130 (45% in xylene)	60 in xylene	In combination with suitable amino resins for very reactive primers and topcoats with good storage stability, crosslinking with isocyanate is also possible. Hydroxyl content (on solid) = 2.6-3.0%.
M 932	32	Vegetable fatty acids	38	max. 10	max. 18	40 – 60 (40% in xylene)	60 in xylene	Stoving primers and topcoats with high reactivity and good mechanical properties. Excellent viscosity stability, stoving cond.: 100-140 °C.
RM 232	32	Conjug. and saturated fatty acids	37	max. 10	max. 15	100 – 120 (50% in xylene)	60 in xylene	Enamel base coats and topcoats with medium reactivity and good mechanical properties, curing conditions: 30 min / 130°C or 10 min./160°C.
SH 380	38	Special fatty acids	34	max. 10	max. 15	90 – 110 (60% in BuAc)	70 in BuAc	High reactive SH lacquers, good elasticity, durability and sufficient pot life, NC-compatible, NCO crosslinkable.
SM 400	34	Drying vegetable fatty acids	30	max. 10	max. 20	90 – 110 (50% in xylene)	60 in xylene	In combination with amino resins for high reactive stoving primers and topcoats.
SM 426	26	Drying vegetable fatty acids	40	max. 10	max. 15	90 – 110 (50% in xylene)	60 in xylene	In combination with amino resins for high reactive stoving primers and topcoats.
T 735	36	Tall oil	35	max. 10	max. 15	60 – 70 (50% in xylene)	60 in xylene	Stoving primers and topcoats with medium reactivity and good mechanical properties, curing condition: 10 min / 160°C or 30 min./130°C.
F 26	27	Vegetable fatty acids	39	max. 10	max. 9	2.000 – 3.000 mPa.s/23°C	60 in xylene	In the formulation of primers, knifing fillers, primer surfacers, topcoats and dipping paints and flow coatings for radiators. OH-content (on solids) = 2.2%.
FS 41	28	Vegetable fatty acids	41	max. 10	max. 10	2,000 – 3.500 mPa.s/23°C	60 in xylene	In the formulation of primers, knifing fillers, primer surfacers, topcoats and dipping paints and flow coatings for radiators. Hydroxyl content (on solid) = 2.5%.
F 251	25	Saturated synthetic fatty acids	29	max. 3	max. 12	6.000 – 9.000 mPa.s/23°C	75 in xylene	Short-oil alkyd resin based on saturated synthetic fatty acids for industrial stoving coatings, two-pack polyurethane coatings, and nitocellulose lacquers. Hydroxyl content (on solid) = 3.3-4.41%.
F 380	38	Saturated fatty acids	37	max. 10	max. 15	20 – 50 s	70 in ethylacetat	For the production of high-quality nitro-combination lacquers with rapid solvent release for wood and paper.
F 310	31	Saturated fatty acids	43	max. 5	max. 10	3.900 – 5.000 mPa.s/23°C	60 in xylene	Short-oil alkyd resin based on saturated fatty acids, automotive topcoats (OEM) coatings for household appliances. The resin has excellent film and mechanical properties and is weather-stable and resistant to yellowing and acids. Hydroxyl content (on solid)=1.8 %.

VaraLac; Alkyd resins, solvent-based, stoving/reactive/NC-combination

Type	Oil [%]	Oil type	PA [%]	Color / Gardner	Acid value [mgKOH/g]	Flow time 20°C [s]	Supply Form [%]	Main uses and characteristics
PG 143	-	Saturated fatty acids	-	max. 3	max. 15	2.200 – 3.000 mPa.s/23°C	60 in solvesso 100 / xylene	Short oil alkyd resin based on saturated fatty acids, developed for high grade stoving finishes, e.g. automotive OEM, very good durability, excellent colour and gloss retention, high body. Hydroxyl content (on solid) = 3.0 %.
DP 121	-	Saturated fatty acids	-	max. 2	max. 19	1.900 – 2.500 mPa.s/23°C	72 in solvesso 100 / xylene	DP 121 is developed for metal and automotive OEM coatings. DP 121 is recommended for automotive OEM clear coats and topcoats with high gloss, excellent mechanical properties, excellent chemical resistance and good outdoor durability. Hydroxyl content (on solid) = 3.0 %.
AN 641	41	Linoleic fatty acids	-	max. 5	max. 10	2.300 – 3.200 mPa.s/23°C	60 in xylene	Medium-oil alkyd resin, in the formulation of high-quality, air and force-drying and nitrocellulose industrial paints and coatings, radiator paints, special effect finishes, primers and DIY paints, with good drying properties, very good body, good colour, gloss retention and exterior durability. Hydroxyl content (on solid) = 2.5%.
AN 655	48	Drying vegetable fatty acids	-	max. 5	max. 10	4.500 – 6.100 mPa.s/23°C	55 in white spirit (TB) / xylene (X) 38 : 7	Medium-oil alkyd resin for the formulation of high-quality, air and force-drying industrial coatings, radiator paints, special effect finishes, primers and DIY paints. Hydroxyl content (on solid) = 1.3%.
AD 500		Drying fatty acids	-	max. 5	max. 10	4.000 – 6.000 mPa.s/23°C	60 in xylene	Short-oil alkyd resin for two component matting coating with recoat ability, adhesion, color retention and good leveling. Hydroxyl content (on solid) = 4.5%.
AN 580	26	Castor oil	26	max. 5	7-15	2.000 – 3.000 mPa.s/23°C	60 in xylene	Use for machinery paints, general industrial air drying systems, forced drying/stoving systems, industrial wood coating systems and stoving enamels for drums and steel furniture and automotive primer surfacers with colour retention, adhesion and drying speed. Hydroxyl content (on solid) = 2.7%.
MF 308	33	Drying fatty acids	38	max.10	max. 20	55 – 60 s/20°C	65 in xylene	MF 308 is a short-oil alkyd resin based on mixed oil fatty acids, mainly for the production of oven-drying primers and topcoats. Hydroxyl content (on solid) = 2.7%.
MF 327	50	Special vegetable fatty acids	24	max. 10	max. 15	120 – 170 (40% in dearmat. HC 160-200)	50 in dearmat. HC 180-220	MF 327 is a medium-oil, quick-drying alkyd resin for the universal use in air- and heat-drying industrial, automotive and machine paints.
S 895	42	Coconut fatty acid modified	-	max. 6	max. 10	30 – 45 (60% in BAC)	75 in BuAC	Used in lacquers and enamels for wood in combination with nitrocellulose and urea resins. In combination with isocyanate it gives high quality furniture lacquers. For stoving enamels for metal combinations with melamine resins are used. It provides higher solid content in coatings. Hydroxyl content (on solid) = 5.2%
S 513	30	Drying vegetable fatty acids	42	max. 5	7-12	600 – 1.000 mPa.s/23°C (50% in xylene) mPa.s/23°C	70 in xylene	Short-oil alkyd resin for nitrocellulose lacquers and acid curing stoving paints, non-drying proper adhesion, good hardness and non yellowing. Hydroxyl content (on solid) = 1.1 %.

VaraLac; Alkyd resins, solvent-based, stoving/reactive/NC-combination

Type	Oil [%]	Oil type	PA [%]	Color / Gardner	Acid value [mgKOH/g]	Flow time 20°C [s]	Supply Form [%]	Main uses and characteristics
AN 418	28	Linoleic rich fatty acids	41	max. 5	7-12	2.400 – 3.200 mPa.s/23°C	60 in xylene	Short oil alkyd resin based on linoleic rich fatty acids, developed for high grade stoving finishes, machinery paints, general industrial air drying systems, forced drying/stoving systems and industrial wood coating systems, with colour retention very good adhesion and drying speed. Hydroxyl content (on solid) = 2.0 %.
AN 621	33	Versatic acid	32	max. 5	5-10	8.50 – 11.000 mPa.s/23°C	60 in SN150 ND	Short-oil alkyd resin based on versatic acids, used for can coatings and clear overprint varnishes, offers flexibility and sterilization resistance.
AN 637	32	Versatic acid	31	max. 5	5-10	2.500 – 4.000 mPa.s/23°C	60 in SN150 ND	More flexible short-oil alkyd resin based on versatic acids, used for can coatings and clear overprint varnishes, offers flexibility and sterilization resistance.
AD 550	32	Dehydrated castor oil	-	max. 6	10-20	9.500–11.500 mPa.s/23°C	70 in xylene	Short-oil alkyd resin based on dehydrated castor oil fatty acids, used in general purpose stoving enamels and primers and acid curing industrial wood coating. offers good adhesion (on degreased steel) and reactivity, possesses flexibility, low temperature cure and good pigment wetting properties.
AN 621		Versatic acid	-	max. 5	5-10	8.500–11.000 mPa.s/23°C	60 in S150 ND	Short oil alkyd resin based on versatic acid for can coatings and clear overprint varnishes. Offers sterilization resistance. Hydroxyl content (on solid) = 2,6%
AN 637		Versatic acid	-	max. 6	2-10	2.500 – 4.000 mPa.s/23°C	60 in S150 ND	Short oil alkyd resin based on versatic acid for can coatings and clear overprint varnishes. Offers sterilization resistance. Hydroxyl content (on solid) = 2.8%
PN 267	28	Special fatty acids	47	max. 10	max. 15	max. 5.000 mPas/20°C	70 in BuAC	A low viscosity, non-drying, short oil alkyd resin, basis of special fatty acids for the production of anti-yellowing stoving lacquers as well as PUR and NC systems, colorless and pigmented. Hydroxyl content (on solid) = 2,2 %.
UR 367	36	Special fatty acids	35	max. 10	max. 20	10.000-25.000 mPa.s/20°C	80 in BuAC	Mainly for the production of high-quality industrial coatings, general purpose and mirror coatings.
UR 366	36	TOFA	-	max. 10	max. 15	80 – 120 s	75 in BuAC	For 2-K-PU paints and coatings, also force drying coatings. Hydroxyl content = 4,0%.





Markets & Applications

From building and construction to flexible packaging, printing inks and from furniture to automotive and vehicles, and from consumer goods to general industrial applications like ACE, marine paints our sustainable resins are proven to perform – and so is the knowledgeable team behind them.



VARENA CHEMICAL is a global company in the intermediates, coating, adhesives, inks and composite and solid surface resins, thermoset compounds, gel-coats and niche specialties and specialty additives for coatings and inks.

VARENA CHEMICAL is known for its superior quality and impressive range of products and with its excellent distribution network it can provide first-class service to customers whatever their market. Customer Service and Technical Service teams are renowned for their customer focus, offering the best service even after products have left manufacturing.

The group strives to keep customers satisfied, assisting them in producing premium quality products every time they use its products.



Product innovation is important for the group's business and it's the reason for which it constantly works with customers to find solutions to problems.

Introducing new or improved products ensures that **VARENA CHEMICAL** continue not only to deliver what the market wants and needs, but also when it is wanted and needed.



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