



Alkyd Resins

Valires® - Valithane®

Valithix®

Alkyd emulsions

Reference	Type of oil	Oil length	Polyol	Acid value (mg KOH/g)	Non-volatile content %	Viscosity (din cup4 @20°C)
HA 040.01	special fatty acids	58	mixed	20-30	40	15-60 s
HA 040.02	special fatty acids	58	mixed	20-30	40	15-60 s
HA 040.03	special fatty acids	58	mixed	20-30	40	15-85 s
HA 040.15	linoleic	45	mixed	20-30	40	15-60
Crosscore 5000	soybean fatty acid	40	mixed		50	20 dPa.s @ 23°C

Valires bio alkyds

Reference	Type of oil	Oil length	Polyol	Acid value (mg KOH/g)	Non-volatile content %	Viscosity (dPa.s 25°C)
RB 085.88	linoleic	73	penta	10	85	50-70

Valires medium oil alkyds

Reference	Type of oil	Oil length	Polyol	Acid value (mg KOH/g)	Non-volatile content %	Viscosity (dPa.s 25°C)
RX 255.04	linoleic rich	50	penta	15	55	40-50 @ 23°C
RE 040.44	linoleic rich	54	glycerol	20	40	30-40
RE 050.87	linoleic rich	55	penta	12	50	30-40
RE 065.82	linoleic rich	62	penta	10	65	33-45
RE 065.58	linseed	62	penta	10	65	95-110
RS 065.58	linseed	62	penta	10	65	95-110

Density 20°C (g/cm³)	Solvent	Applications
1,03	demi water	Fast drying decorative & industrial waterbased coatings, aliphatic modified
1,03	demi water	Fast drying decorative & industrial waterbased coatings, aliphatic modified
		Improved scissoring resistance
1,04	demi water	Fast drying decorative & industrial waterbased coatings, aliphatic modified
		Drier free system
1,03	demi water	Very fast drying decorative and industrial waterbased coatings, aliphatic modified.
		Guaranteed amine free
1,06	demi water	High gloss decorative coatings. Interior and exterior primers and topcoats for wood and metal

Density 20°C (g/cm³)	Solvent	Applications
	bio solvent	Long oil alkyd resin in biosolvent for high quality decorative enamels and varnishes with high solids content

Density 20°C (g/cm³)	Solvent	Applications
0,94	Xylene/D40 (1/3)	Medium oil alkyd for air-drying, industrial primers and finishes
0,88	D40	A medium oil oxidizing alkyd for semi-gloss finishes and undercoats, also for flat wall finishes. Excellent non-penetrating properties with good colour retention, fast drying time
0,93	D40	Fast drying finishes with excellent colour retention
0,94	D40	Decorative finishes with excellent colour retention
	D40	Wood varnish (e.g. boat coating) - low odour version
	D60	Decorative primers and top coatings

Valires long oil alkyds

Reference	Type of oil	Oil length	Polyol	Acid value (mg KOH/g)	Non-volatile content %	Viscosity (dPa.s 25°C)
RE 070.06	linoleic rich	65	penta	10	70	28-38
RS 070.06	linoleic rich	65	penta	10	70	35-60
RE 170.06	linoleic rich	65	penta	10	70	47-62
RS 170.06	linoleic rich	65	penta	10	70	47-62
RE 270.06	linoleic rich	65	penta	10	70	38-53
RS 270.06	linoleic rich	65	penta	10	70	38-53
RE 570.06	linoleic rich	65	penta	10	70	95-130
RE 065.10	linoleic rich	65	penta	10	65	18-28
RE 370.65	linoleic rich	65	mixed	10	70	35-50
RE 060.66	linoleic rich	65	penta	10	60	46-74
RE 080.77	linoleic rich	73	penta	8	80	55-70
RE 080.88	linoleic rich	73	penta	8	80	55-70

Valithane urethane alkyds

Reference	Type of oil	Oil length	Polyol	Acid value (mg KOH/g)	Non-volatile content %	Viscosity (dPa.s 25°C)
RU 050.22	linoleic rich	60	penta	5	50	30-55 @ 23°C
RU 055.56	linoleic rich	61	penta	5	55	2-2,5 (45% in D40)
RU 060.42	linoleic rich	48	mixture	10	60	70-110
RU 060.69	linoleic rich	62	penta	3	60	30-40
RU 060.84	linoleic rich	61	mixture	5	60	1,7-2,2 (47% in D40)
RU 060.85	tofa	69	penta	3	60	60-80 @ 20°C
RU 355.44	linoleic rich	55	penta	4	55	47-65
RU 355.01	linoleic rich	59	mixed	3	55	23-30
RU 955.01	linoleic rich	59	mixed	3	55	23-30
RU 955.44	linoleic rich	55	penta	4	55	50-70
RU 955.56	linoleic rich	61	penta	5	55	20-30

Density 20°C (g/cm³)	Solvent	Applications
0,95	D40	Decorative enamels and varnishes
0,95	D60	Varnish and decorative systems
0,95	D40	Varnish and decorative systems
0,95	D60	Varnish and decorative systems
0,95	D40	Varnish and decorative systems
0,95	D60	Varnish and decorative systems
0,95	D40	Decorative enamels and varnishes
0,93	D40	High durable wood coatings and stains
0,96	D40	Top grade decorative enamels and varnishes
0,93	D40	Decorative enamels and varnishes
0,98	D40	High quality decorative gloss enamels with high solids
0,98	D40	High quality decorative gloss enamels

Density 20°C (g/cm³)	Solvent	Applications
0,91	D40	Fast hardness build-up, aromatic modified
0,91	D40	Aromatic modified
	D40	Aliphatic urethane alkyd for high gloss exterior finishes
0,91	D40	Aromatic modified
0,90	D40	Universal urethane alkyd
0,92	D40	Aromatic modified
0,93	D40	Aliphatic modified
0,91	D40	Aromatic modified
0,93	D60	Universal urethane alkyd
0,93	D60	Non-yellowing universal urethane alkyd
	D60	Alkyd resin, slightly urethanised

Valithane/Valires high solids

Reference	Type of oil	Oil length	Polyol	Acid value (mg KOH/g)	Non-volatile content %	Viscosity (dPa.s 25°C)
RU 090.26	special fatty acids	78	mixed	8	90	20-35
RE 090.79	linoleic rich	62		10	90	10-15
RU 490.25	soybean safflower	73	mixed	8	90	15-30
RO 100.02	linoleic rich	75	penta	10	100	150-230
RD 100.34	linoleic rich	74		4	96	5
RO 100.43	linoleic rich	75	penta	15	100	25-35
RD 300.25	linoleic rich	92		5	100	10
RD 300.20	linoleic rich	85	/	10	100	15 @ 20°C
RU 100.21	linoleic rich	91		10	99	90-100

Valithix thixotropic alkyds

Reference	Type of oil	Oil length	Polyol	Acid value (mg KOH/g)	Non-volatile content %	Viscosity (dPa.s 25°C)
TS 050.01	linoleic rich	58	penta	12	50	strong gel
TE 167.04	linoleic rich	61	penta	10	67	+/- 100

Valithane emulsifiable resins

Reference	Type of oil	Oil length	Polyol	Acid value	Non-volatile (mg KOH/g)	Viscosity content %
RU 100.38	linoleic rich	80	penta	10	100	15-30

Density 20°C (g/cm³)	Solvent	Applications
0,97	D40	High solids decorative finishes, aliphatic modified
0,99	D40	Alkyd polymer which improves the flexibility of alkyd coatings for primers, undercoats and top coats
0,97	D60	Universal high solid urethane alkyd
1,01	/	Quality decorative enamels
0,97	/	will lower the VOC of air drying medium or long oil alkyd-based coatings while making them susceptible to further thinning with water
1,00	/	Grinding medium & resin to improve build and brushability of alkyd enamels
0,96	/	Reactive diluent, polymer of maleic oil
0,98	/	Air drying reactive modified vegetable oil Urethane Oil as varnish modifier for impregnation system

Density 20°C (g/cm³)	solvent	Applications
0,90	D60	Medium oil thixotropic alkyd resin, hard gel, fast structure recovery
0,94	D40	Medium oil thixotropic alkyd resin, soft gel for decorative paints

Density 20°C (dPa.s 25°C)	Solvent (g/cm³)	Applications
0,99	/	Improvement of several latex paint properties, APE free

Valires silicone resins

Reference	Type of oil	Oil length	Polyol	Acid value (mg KOH/g)	Non-volatile content %	Viscosity (dPa.s 25°C)
SE 060.60 (30% Si)	linoleic rich	48	penta	10	60	8 - 22
SS 060.60 (30% Si)	linoleic rich	48	penta	10	60	10-30
SE 080.10 (30% Si)	linoleic rich	48	penta	10	80	85-110
SE 080.20 (25% Si)	linoleic rich	50	penta	10	80	35-45

Specialties

Reference	Type of oil	Oil length	Polyol	Acid value (mg KOH/g)	Non-volatile content %	Viscosity (dPa.s 25°C)
RS 074.83	special fatty acids		penta	15-25	74	10

Density 20°C (g/cm³)	Solvent	Applications
D40		Outstanding exterior performance and weather resistance High resistance to UV radiation and oxidation
D60		applications requiring outstanding exterior performance and weather resistance. High resistance to UV radiation and oxidation
D40		Outstanding exterior performance and weather resistance High resistance to UV radiation and oxidation
D40		Outstanding exterior performance and weather resistance

Density 20°C (g/cm³)	Solvent	Applications
0,95	D60	Wetting and dispersing agent for solvent based coatings

update April 2023

For inquiries and
additional information
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