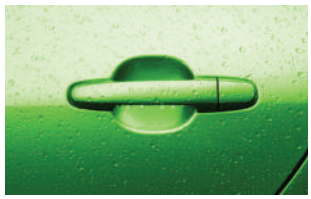
LIQUID RESINS AND ADDITIVES

North America



allnex
The Coating Resins Company

www.allnex.com

Facts & Figures

- Global company with over €2.1 billion in sales
- Broad technology portfolio: liquid coating resins, energy curable resins, powder coating resins, crosslinkers and additives, composites and construction materials
- Approximately 4000 employees
- Customers in more than 100 countries
- 32 manufacturing facilities
- 23 research and technology centers
- 5 joint ventures
- Extensive range of solutions for key coating segments: automotive, industrial, packaging coating and inks, protective, industrial plastics and specialty architectural

With manufacturing, R&D and technical facilities located throughout Europe, North America, Asia Pacific and Latin America, allnex offers global and reliable supply of resins and additives combined with local, responsive customer support.

Solventborne

Resin type	Trade names	Resin sub type	Page
Isocyanate-Free Two-Component System	ACURE®	Michael Addition Chemistry	8
Acrylic resins	G-CURE® MACRYNAL® SETALUX® VIACRYL®	Acrylic Polyols - Conventional Solids	10
		Acrylic Polyols - Fast Cure	12
		Acrylic Polyols - High Solids	12
		Acrylic Polyols - in Exempt Solvents	12
		Thermoplastic Acrylics	14
		Thermosetting Acrylics	14
Non-Isocyanate Two-Component Resins – Acrylic and Polyester	SETAL® SETALUX® VIACRYL®	Acrylics - Two-component Isocyanate-free	14
		Polyesters - Two-component Isocyanate-free	14
Rheological control resins	SETAL® SETALUX®	Rheological Control Resins	16
		RCA	16
		SCA - Modified Acrylics	16
		SCA - Modified Polyesters	16
Alkyd resins	SETAL® SETYRENE®	Short Oil Alkyds	16
		Medium Oil Alkyds	18
		Long Oil Alkyds	18
		Oil Modified Urethanes	18
		Modified Alkyds	18
		Alkyds - Copolymers	18
Polyester resins	DUROFTAL® SETAL®	Polyester Polyols	20
		Polyesters - Thermosetting / Baking	20
Unsaturated polyester resin	ROSKYDAL®	Standard Unsaturated Polyester Resins	20
Epoxy resins and hardeners	BECKOPOX™ DUROXYN® SETAL®	Epoxy Ester Resins	20
		Epoxy Resins	22
		Amine Hardener	22
Carbamate resin	RESAMIN®	Carbamate Resin	22
Natural oil polyols and Bisoxazolidine resins	SETATHANE® SETA®	Natural Oil Polyols	22
		Polyol Emulsions	22
		Urethane Bisoxazolidine Resin	22

Waterborne

Additives

Abbreviations

A100	Aromatic 100
A150	Aromatic 150
AEW	Amine Equivalent Weight
AHC	Aliphatic hydrocarbons
AMP 90	2-Amino-2-methyl-1-propanol, 90% in water
APEO	Alkyl phenol ethoxylate
AV	Acid Value
BADGE	Bisphenol A diglycidylether
BDG	Butyl diglycol
BG	Butyl glycol
BP	Butoxy propanol
BuAc	Butyl acetate
BuPr	n-Butyl Propionate
CED	Cathodic electrodeposition
DCO	Dehydrated castor oil
DMC	Dimethyl Carbonate
DMEA	Dimethyl ethanol amine
DOI	Depth of Image
DPM	Dowanol DPM [1)]
EB	Butyl Cellosolve
EEW	Epoxy Equivalent Weight
EP	Ethoxy propanol
Eth	Ethanol
EtAc	Ethyl Acetate
HEW	Hydroxy Equivalent Weight
HFBA	High Flash Blend A (Solvent 90)
i-But	Isobutanol
i-Pro	Isopropanol
KU	Krebs Units
MAK	Methyl Amyl Ketone
MB	Methoxy butanol
MeAc	Methyl Acetate
Met	Methanol
MFFT	Minimal Film Forming Temperature
MIBK	Methyl Iso-butyl Ketone
MIR	Maximum Incremental Reactivity
MP	Methoxy propanol
MPA	Methoxy propyl acetate
MPK	Methyl Propyl Ketone
MPP	Methoxypropoxy propanol
MS	Mineral Spirits
N/A	Not Applicable
nBut	n-Butanol
NH3	Ammonia
NMP	N-Methyl pyrrolidone
NPE	Nonyl phenol ethoxylate
NV	Non-Volatile
PCBTF	Parachlorobenzotrifluoride
PE	Propoxy ethanol
PGME	Propylene Glycol Methyl Ether
PGMEA	Propylene glycol methyl ether acetate
PMA	Methoxy Propyl Acetate
PUR	Polyurethane Resin
PVC	Polyvinyl chloride
RCA	Rheology Control Agent
SB	Solventborne
SCA	Sag Control Agent
SN	Solvent Naphtha
Sty	Styrene
TEA	Triethyl amine
Tol	Toluene
TPG	Tripropylene glycol
VMP	VMP Naptha
WA	Demineralized water
WB	Waterborne
Xyl	Xylene

1) Dowanol is a registred trade mark of The Dow Chemical Company

GENERAL NOTES
Listed values are indicative averages. See datasheets for actual specifications and measuring methods.
An * behind the product name indicates other delivery form(s) available.
Equivalent Weights are given in gram/equivalent, calculated on delivery form.
The thix index for rheology control resins is defined as the ratio between low shear viscosity and high shear viscosity.

All following trade names are registered and owned by allnex.

Trade name	Product sub type
ACURE®	Isocyanate-free durable topcoat
ADDITOL®	Additives for dispersing, leveling, defoaming and drying
BECKOCOAT®	Moisture curing resins
BECKOCURE®	Amine hardeners for epoxy resins and dispersions
BECKOPOX™	Waterborne and Solventborne epoxy resins and hardeners
CYCAT®	Acid based catalysts for heat cure coatings
DAOTAN®	Waterborne polyurethane dispersions
DUROFTAL®	Solventborne hydroxylated polyesters
DUROXYN™	Waterborne and Solventborne epoxy ester resins
G-CURE®	Solventborne acrylic polyols
MACRYNAL®	Waterborne and Solventborne acrylic polyols
MODAFLOW®	Additives for flow and leveling
MULTIFLOW®	Additive for flow and leveling
RESAMIN®	Solventborne plasticizing resin
RESYDROL®	Waterborne modified alkyd resins
ROSKYDAL®	Unsaturated polyesters
SETA®	Bisoxazolidine resin
SETAL®	Solventborne alkyd and polyester resins
SETALUX®	Solventborne acrylic resins
SETAQUA®	Waterborne acrylic and alkyd resins
SETATHANE®	Hydrophobic polyols
SETYRENE®	Acrylic modified short oil alkyd
UCECRYL®	Waterborne acrylic emulsions
VIACRYL®	Waterborne and Solventborne acrylic resins

ACURE®

Resin name	EW (on NV)	NV (%)	Solvents	Viscosity (range)	Acid Value as supplied (mg KOH/g)	Color (max value)	Density (kg/dm³)
ACURE® 500	1078	29.5	WA/Eth/n-Propyl Alcohol/di-ethyl carbonate	N/A	N/A	100 max APHA	0.95
ACURE 510-100	180	84-86	BuAc	4,000 - 10,000	0.7 max	200 max APHA	1.11
ACURE 510-102	158	88-92	N/A	22,000 - 28,000	0.8 max	200 max APHA	1.20
ACURE 510-104	100	83-87	BuAc	2,000 - 10,000	0.7 max	200 max APHA	1.10
ACURE 510-170	179	84-86	BuAc	5,000 - 10,000	0.7 max	200 max APHA	1.10
ACURE 510-172	161	88-92	N/A	22,000 - 28,000	0.8 max	200 max APHA	1.20
ACURE 510-174	100	83-87	BuAc	2,000 - 8,000	0.7 max	200 max APHA	1.10
ACURE 510-190	208	73-75	BuAc	14,000 - 24,000	0.7 max	200 max APHA	1.04
ACURE 510-200	145	82-88	BuAc	1,200 - 7,000	0.7 max	250 max APHA	1.09
ACURE 510-270	145	82-88	BuAc	1,200 - 7,000	0.7 max	250 max APHA	1.09
ACURE 510-300	175	100	N/A	5,000 - 15,000	1 max	300 max APHA	1.14
ACURE 510-302	154	100	N/A	4,500 - 10,000	0.8 max	5 max Gardner	1.14
ACURE 510-370	175	100	N/A	5,000 - 15,000	1 max	300 max APHA	1.14
ACURE 510-372	154	100	N/A	2,000 - 14,000	0.8 max	5 max Gardner	1.14
ACURE 510-400	65	100	N/A	80 - 200	1 max	5 max Gardner	1.17
ACURE 550-100	99	100	N/A	80 - 1,200	0.1 max	50 max APHA	1.10
ACURE 550-105	116	100	N/A	5,000 - 7,000	0.1 max	100 max APHA	1.01
ACURE 550-200	780	61.5	BuAc	400 - 1,000	0.1 max	150 max APHA	1.02
ACURE 550-405	116	100	N/A	@60°C 3,000 - 5,000	0.1 max	100 max APHA	1.16

Description	Technology
ACURE catalyst	Strong base catalyst for Michael Addition reactions
Donor: Malonate Functional Polyester	Fast drying topcoats with good hardness, chemical resistance, and exterior durability
Donor: 100% reactive version of 510-100	100% reactive version of 510-100 for low VOC formulations
Donor: Low EQW version of 510-100	Higher cross-link density for higher hardness and chemical resistance. Used as modifier or standalone donor resin.
Donor: 1.5% Succinimide on resin NV in 510-100	Kinetic additive (succinimide) provides longer pot-life and working time
Donor: 1.5% Succinimide on resin NV in 510-102	Kinetic additive (succinimide) provides longer pot-life and working time
Donor: 1.5% Succinimide on resin NV in 510-104	Kinetic additive (succinimide) provides longer pot-life and working time
Donor: 2% SCA crystal on resin NV in 510-100	Modifier to prevent sagging in spray applications
Donor: Malonated Polyester for Improved Adhesion	Robust adhesion on epoxy primers, excellent hardness development coupled with excellent appearance, high cross link densities and outstanding chemical resistance
Donor: 1.4% Succinimide on resin NV in 510-200	Kinetic additive (succinimide) provides longer pot-life and working time
Donor: Malonated Polyester Donor Resin	High Flow, outstanding appearance with long working times with good exterior durability and chemical resistance
Donor: Malonated Polyester Donor with Improved Hardness	Outstanding appearance with increased hardness and outstanding exterior durability
Donor: 1.5 % Succinimide on resin NV in 510-300	Kinetic additive (succinimide) provides longer pot-life and working time
Donor: 1.5 % Succinimide on resin NV in 510-302	Kinetic additive (succinimide) provides longer pot-life and working time
Donor: Aceto-acetate Functional Resin	Modifier for increased cross-link density, hardness, and improved addition
Acceptor: ACURE Certified TMPTA	Primary Acure acceptor for lowest viscosity
Acceptor: ACURE Certified diTMPTA	Primary Acure acceptor for low viscosity and improved hardness
Acceptor: Polymeric Acrylic Acrylate	To substitute monomeric acrylates
Acceptor: Aliphatic Urethane Acrylate	Improves adhesion to epoxy primers

Solventborne acrylic resins

Resin name	HEW (on NV)	NV (%)	Solvents	Viscosity (range)	Acid Value (mg KOH/g)	Color (max. value)
Acrylic Polyols - Conventional Solids						
G-CURE® 17-0105	570	70	PMA	10,000 - 14,000 cP	N/A	100 APHA
G-CURE 17-0107	460	70	MAK	1,500 - 2,500 cP	N/A	100 APHA
G-CURE 17-0108	535	70	MAK	3,500 - 5,500 cP	N/A	100 APHA
G-CURE 17-0806	625	61	BuAc	2,000 - 4,000 cP	N/A	60 APHA
G-CURE 17-0866	635	60	34% PMA, 66% Xyl	3,500 - 5,000 cP	N/A	100 APHA
G-CURE 17-0867	635	60	55% PMA, 25% ethyl benzene, 20% solvent	3,500 - 5,000 cP	N/A	100 APHA
G-CURE 17-0868	795	60	55% PMA, 25% ethyl benzene, 20% solvent	4,500 - 6,500 cP	N/A	100 APHA
G-CURE 17-0869	1085	50	55% PMA, 25% ethyl benzene, 20% HFBA	3,000 - 6,000 cP	N/A	100 APHA
G-CURE 17-0870	822	50	50% BuAc, 50% Xyl	3,000 - 5,000 cP	N/A	100 APHA
G-CURE 17-1444	400	70	MAK	Z1 - Z3	18	150 APHA
MACRYNAL® SM 510n/60LG	375	60	40% Xyl, 25% BuAc, 25% SN, 10% ethyl benzene	3,000 cP	4.5	25 Hazen
SETALUX® 17-1015	600	60	Xyl	Y - Z2	10	2 Gardner
SETALUX 1162 SS-60	450	60	50% Xyl, 25% BuAc, 25% A100	2,300 - 3,500 cP	N/A	50 APHA
SETALUX 17-1190	380	60	50% PMA, 50% Xyl	Y - Z1	10	50 APHA
SETALUX 17-1196	600	60	A100	W - Y	8	2 Gardner
SETALUX 17-1198	400	70	BuAc	8,000 - 14,000 cP	13	50 APHA
SETALUX 17-1211	565	65	BuAc	900 - 3,200 cP	12	50 APHA
SETALUX 17-1215	380	67	BuAc	Z - Z2	10	50 APHA
SETALUX 17-1447	400	70	50% BuAc, 50% Xyl	Z3 - Z5	13	30 APHA
SETALUX 17-1465	370	65	BuAc	1,900 - 2,900 cP	9	100 APHA
SETALUX 17-1608	600	60	Xyl	Z2 - Z4	12	100 APHA
SETALUX 17-1609	600	60	65% PMA, 35% Tol	Y - Z1	12	70 APHA
SETALUX 17-1745	850	50	BuAc	Z2 - Z4	8	100 APHA
SETALUX 17-1746	800	65	BuAc	Z2 - Z4	2	75 APHA
SETALUX DA 160 SN	640	60	A100	2,300 - 3,300 cP	10	50 APHA
SETALUX DA XP 2588	540	70	BuAc	1,500 - 3,500 cP	12	50 APHA
SETALUX DA 365 BA/X	380	65	75% BuAc, 25% Xyl	2,500 - 3,500 cP	15	100 APHA
SETALUX DA 450 BA	850	50	BuAc	3,000 - 5,000 cP	12	50 APHA
SETALUX DA 450 BA/X	850	50	50% BuAc, 50% Xyl	4,400 - 4,600 cP	12	50 APHA
SETALUX XCS 1518 BA-45	2,100	45	BuAc	3,000 - 10,000 cP	9	Opaque
VIACRYL® SC 303/60 BAC	700	60	BuAc	6,000 - 8,400 cP	12	80 APHA

	Density (kg/dm³)	Technical features
	1.09	High build. High volume solids. Good applications in VR, construction equipment, general metal.
	1.02	Good weathering and chemical resistance, and gloss retention.
	1.03	High build. High volume solids.
	1.02	Durable and flexible. Good chemical resistance and color retention.
	1.03	Durable and flexible. Good chemical resistance and color retention.
	1.02	Outstanding durability, chemical resistance. Suitable for metal, wood, and plastic substrates.
	1.02	Excellent chemical resistance and color retention, durability, flexibiliity, and toughness. Can be blended as a flexibilizer.
	1.01	Fast dry w/ good pot life. Low Isocyanate demand.
	1.01	Fast dry w/ good pot life. Low Isocyanate demand.
	1.02	Tough. Good chemical and abrasion resistance. Good DOI. High quality topcoats for general metal, construction equipment.
	1.01	At ambient temperature drying or forced drying two-component systems with high gloss, excellent mechanical properties, superior outdoor durability and chemical resistance, in particular for automotive refinish topcoats and clearcoats.
	1.02	Fast dry. Good chemical resistance.
	1.02	High mechanical strength. Good corrosion and chemical resistance.
	1.04	Hard and durable. Good gloss and DOI.
	0.99	Exterior durability. Flexible with good adhesion to plastic.
	1.05	Good build and gloss. Good adhesion to metallic basecoats.
	1.03	High mechanical strength. Good weathering resistance.
	1.04	High end hardness. Good exterior durability.
	1.04	For premium quality clearcoats and wet-on-wet systems. Excellent application properties, excellent DOI and outdoor durability.
	1.03	Tough and flexible. Good gloss. Good solvent and gasoline resistance.
	1.02	Fast dry. Tough. Good chemical resistance. Good outdoor durability, versatile workhorse resin for various markets.
	1.04	Excellent application properties. Good chemical resistance. Hard.
	1.01	Fast dry w/ long pot life. Good mar resistance. Excellent adhesion to plastics, compatible with CAB.
	1.03	Good pigment wetting grinding resin. Good gloss and color retention, good adhesion to plastics.
	0.99	Good weathering resistance. Good flow and leveling.
	1.03	Tough and flexible. Good solvent and gasoline resistance.
	1.04	Tough and flexible. Good UV resistance. Good solvent and gasoline resistance.
	1.01	Fast dry. Good durability, gloss and chemical resistance.
	1.01	Fast dry. Good durability, gloss and chemical resistance.
	0.97	An acrylic resin for PP substrate and is free of aromatic solvent. This resin can be utilized in primer or metallic monocoat (1K and 2K). Very good adhesion on PP even without treatment, good water resistance, good storage stability at low temperature.
	0.96	Good adhesion, gloss and flexibility. Can also be used in stoving formulations. Principle application area is automotive finishes.

Solventborne acrylic resins

Resin name	HEW (on NV)	NV (%)	Solvents	Viscosity (range)	Acid Value (mg KOH/g)	Color (max. value)
Acrylic Polyols - Fast Cure						
G-CURE® 27-0192	400	80	BuAc	3,000 - 7,000 cP	N/A	200 APHA
SETALUX® 17-2400	550	63	BuPr/Xyl	Z2 - Z4	9.5	50 APHA
SETALUX 17-2450	460	65	BuPr	Z3 - Z5	9.5	50 APHA
SETALUX 17-2460	600	60	BuAc	Z - Z2	20	100 APHA
SETALUX 27-1590	400	80	MAK	Z1 - Z3	4	100 APHA
SETALUX 27-1592	400	80	BuAc	Z1 - Z3	6	100 APHA
SETALUX 57-2500	400	60	67% PCBTF, 33% Acetone	Z1 - Z3	18	50 APHA
SETALUX FC 1923 BA-75	475	75	BuAc/Tertiairy Butanol/Acetone	3.3 - 12 Pa.5	4.5	50 APHA
Acrylic Polyols - High Solids						
G-CURE 27-0114	800	80	MAK	3,000 - 6,000 cP	N/A	200 APHA
G-CURE 27-0210	300	90	BuPr/n-BuAc	Z4+ - Z6+	0.6	100 APHA
MACRYNAL® SM 2810/75BAC	400	75	BuAc	5,200 cP	11	100 Hazen
SETALUX 27-1026	480	80	MAK	Z2+ - Z4+	6	2 Gardner
SETALUX 27-1316	800	80	BuAc	Z3 - Z5	6	200 APHA
SETALUX 27-1328	230	90	BuAc	Z3 - Z5	5	250 APHA
SETALUX 27-1550	400	80	MAK	Z1 - Z3	4	100 APHA
SETALUX 27-1551	400	80	BuAc	Z - Z2	4	100 APHA
SETALUX 27-1590	400	80	MAK	Z1 - Z3	4	100 APHA
SETALUX 27-1597	400	80	MAK	Z4 - Z6	8	50 APHA
SETALUX 27-2677	320	90	n-BuProp/n-BuAc	Z6 - Z8	4	100 APHA
SETALUX DA 575 X	460	75	Xyl	3,000 - 4,000 cP	9	100 APHA
Acrylic Polyols - in Exempt Solvents						
G-CURE 57-1316	800	80	tBAc	Z3 - Z5	N/A	100 APHA
MACRYNAL SM 515/70BAC	375	70	BuAc	4,800 cP	5.2	80 Hazen
MACRYNAL SM 516/70BAC	375	70	BuAc	9,000 cP	5.2	70 Hazen
SETALUX 17-1488	400	45	PCBTF	Z2 - Z4	8	125 APHA
SETALUX 17-1610	600	50	PCBTF	Z3 - Z5	12	2 Gardner
SETALUX 17-2319	600	60	50% BuAc, 50% PCBTF	Y - Z1	10	2 Gardner
SETALUX 57-1460	400	68	67% PCBTF, 33% MeAc	Z - Z2	14	50 APHA
SETALUX 57-1461	400	68	67% PCBTF, 33% Acetone	Z - Z3	14	51 APHA
SETALUX 57-1587	610	50	Acetone	A - C	2	50 APHA
SETALUX 57-1608	600	55	tBuAc	W - Z	10	2 Gardner
SETALUX 57-2500	400	60	67% PCBTF, 33% Acetone	Z1 - Z3	18	50 APHA

	Density (kg/dm³)	Technical features
	1.03	Fast-set w/ long pot life. Good gloss and color retention.
	1.01	Fast cure, longer pot-life, excellent early hardness, very good crosslinking development, very good flow-leveling balance and melt-in characteristics, excellent clarity, gloss and distinctness of image.
	1.02	Fast cure, longer pot-life, excellent early hardness, excellent crosslinking development, very good flow-leveling balance and melt-in characteristics, excellent clarity, gloss and distinctness of image.
	1.02	Very fast curing with balanced pot-life, excellent chemical resistance and color retention, highly weatherable, durable and flexible.
	1.03	Low VOC. Fast dry w/ good pot life. Good gloss and exterior durability.
	1.05	Robust acrylic polyol with balanced drytime and pot-life over wide range of temperatures, low VOC formulation, good durability and early water resistance.
	1.11	Ultra fast cure VR clearcoat, ready to buff in 40 minutes. Excellent outdoor durability.
	1.04	Very fast dry at ambient temperatures, high build and gloss, good hardness build-up, good mechanical properties and good outdoor durability
	1.02	Low VOC. Economical with good performance for industrial applications.
	1.10	Low Tg resin that can be used as a diluent or pigment grinding resin. Can also flexiblize aspartates.
	1.04	Excellent pigment wetting, chemical resistance, mechanical properties and outdoor stability. For applications including car refinish, ACE as well as high quality industrial coatings.
	1.04	Low VOC. Excellent flow, gloss retention and DOI. Good durability.
	1.04	Low VOC. One coat finish. Good gloss and DOI. Good durability, low isocyanate demand.
	1.03	Ultra high solid topcoats, excellent chemical resistance, <250 g/L topcoats, fast cure.
	1.03	Low VOC. Early water resistance. Good flow and leveling.
	1.04	Low VOC. Early water resistance. Good flexibility and DOI.
	1.03	Low VOC. Fast dry w/ good pot life. Good gloss and exterior durability.
	1.05	Low VOC. One coat metallic finishes. Excellent durability. High gloss.
	1.11	Pigment grinding resin for vehicle refinish and industrial applications. Blending resin to lowers VOCs.
	1.06	Low VOC. Fast dry. Highly flexible. Good UV stability.
	1.04	One coat finish. Good durability, gloss and DOI.
	1.05	Air drying and forced drying two-component systems with high gloss, excellent mechanical properties and excellent chemical resistance. Best in class for automotive refinish.
	1.05	Air drying and forced drying two-component medium high solids systems with high gloss, excellent mechanical properties, excellent chemical resistance and good outdoor durability for automotive refinish topcoats and clearcoats.
	1.23	Good pigment wetting, ease of application, excellent exterior durability, adhesion, and yellowing resistance. For wet-on-wet varnishes and clearcoats, high gloss one-coat metallic finishes.
	1.23	Low VOC. Good outdoor durability. Hard.
	1.11	Low VOC. Excellent DTM adhesion and corrosion resistance.
	1.14	Low VOC. Fast dry w/ good pot life. Excellent DOI. Good mechanical properties.
	1.14	Low VOC. Fast dry w/ good pot life. Excellent DOI. Good mechanical properties.
	7.91	For two-component bake applications. Fast cure, long potlife, low VOC formulation potential.
	8.35	Excellent resistance to salt spray, water soak and humidity. Exterior durability is excellent.
	1.11	Ultra fast cure VR clearcoat, ready to buff in 40 minutes. Excellent outdoor durability. Low VOC. Excellent early hardness and quick buffability. Good DOI.

Solventborne acrylic resins

Resin name	HEW (on NV)	NV (%)	Solvents	Viscosity (range)	Acid Value (mg KOH/g)	Color (max. value)
Thermoplastic Acrylics						
SETALUX® 17-1239	N/A	50	BuAc	Z - Z3	6	150 APHA
SETALUX 17-1246	N/A	40	48% PMA, 28% Tol, 24% Xyl	W - Y	2	100 APHA
SETALUX 17-1261	N/A	51	Xyl	Z2 - Z4	5	125 APHA
SETALUX 17-1265	N/A	40	Tol	Z4 - Z6	40	50 APHA
SETALUX 17-1275	N/A	51	A100	Z4 - Z6	6	125 APHA
SETALUX 57-1277	N/A	51	50% DMC, 50% A100	Z3 - Z5	5	50 APHA
Thermosetting Acrylics						
SETALUX 17-3598	N/A	50	A100	Y+ - Z2	1	250 APHA
SETALUX 57-3698	N/A	50	DMC/A100	R - T	1	1 Gardner
SETALUX 17-3812	1800	65	66% nBut; 17% pm Acetate; 17% Xyl	Z1 - Z3	9.5 - 11.5	2 Gardner
VIACRYL® SC 303/65XB	700	65	60% Xyl, 25% nBut, 5% ethyl benzene	24,000 cp	8.1	80 Hazen

Non-Isocyanate Two-Component Resins - Acrylic and Polyester

Resin name	Eq. Wt. (on NV)	NV (%)	Solvents	Viscosity (range)	Acid value (mg KOH/g)	Color (max. value)
Acrylics - Two-component Isocyanate-free						
SETALUX 10-1440	238	66	79% Xyl, 13% BuOH, 8% MIBK	D - G	N/A	N/A
SETALUX 17-1450	1150	65	MAK	Z2 - Z4	2	N/A
SETALUX 17-1453	655	55	MAK	S - U	16	N/A
SETALUX 17-7202	1150	50	Xyl	Q - T	2	N/A
SETALUX 27-1435	600	80	MAK	Z3 - Z5	1	N/A
SETALUX 57-7205	1200	45	PCBTF	Z - Z3	2	100 APHA
Polyesters - Two-component Isocyanate-free						
SETAL® 26-3705	440	75	Xyl	L - P	0,5	6 Gardner

	Density (kg/dm³)	Technical features
	0.99	Excellent general purpose fast air-dry or force-dry for industrial or refinish use.
	1.01	Excellent adhesion to untreated substrates. Good resistance to yellowing on over bake. Can be used as modifying resin.
	0.98	Fast dry. Good durability and yellowing resistance. Can be used w/ SETYRENE® 13-3504 type acrylic modified alkyds. Clear coat for concrete.
	0.96	Fast dry. Excellent adhesion and sanding properties. Aerosol coatings.
	0.99	General purpose fast dry, durable, non-yellowing, compatible with various alkyds and CAB. Glossy and clear films.
	1.03	Low VOC. Fast dry. Good durability and yellowing resistance, same polymer as in SETALUX 17-1275.
	0.96	Moderate dry thermoplastic acrylic copolymer suitable for a broad range of general coatings use. Glossy and clear films.
	1.00	Moderate dry thermoplastic acrylic copolymer in DMC/A100 suitable for a broad range of general coatings use.
	1.03	Thermoset acrylic resin designed to coat extruded aluminum substrates. Excellent balance of hardness and flexibility.
	1.01	Automotive metallic basecoats (wet-on-wet process). Stoving enamels with good outdoor stability and color retention.

	Density (kg/dm³)	Technical features
	0.98	Ketimine crosslinking resin for use in 2.8 and 3.5 VOC Ketac primer systems. Fast dry, excellent adhesion and build.
	0.99	Acetoacetate functional acrylic resin for use with SETALUX 10-1440 for Isocyanate-free Ketac primer system.
	0.96	Isocyanate-free, amine functional acrylic for all acrylic "AA" topcoats. Excellent durability and long pot life.
	0.98	Acetoacetate functional acrylic resin for use with SETALUX 10-1440 for Isocyanate-free Ketac primer system. Fast dry, quick to sand and good adhesion.
	1.03	Isocyanate-free, epoxy functional acrylic for all acrylic "AA" topcoats. Long pot life.
	1.26	HAPs-free acetoacetate functional acrylic resin for use with SETALUX 10-1440 for Isocyanate-free Ketac primer system. Fast dry, quick to sand and good adhesion.
	1.05	Low VOC. Acetoacetate functional polyester. Cross-linkable reactive diluent. Fast air dry. Isocyanate-free.

Rheological control resins

Resin name	HEW (as supplied)	NV (%)	Solvents	Viscosity (range cP)	Acid value (mg KOH/g)	Fineness, micron (max)
Rheological Control Resins						
SETALUX® 10-1302	N/A	50	60% MAK, 30% VMP, 10% Heptane	100 - 300	5	15
SETALUX 10-1387	N/A	40	45% Heptane, 38% MAK, 15% MS, 2% VMP	12 - 16 Ford	N/A	15
SETALUX 1850 SA-50	350	50	82% aliphatic HC, 18% BuOH	20 - 170	3	15
RCA						
SETALUX 10-6266	1250	45	70% MAK, 30% A100	< 1,200	8	N/A
SCA - Modified Acrylics						
SETALUX 81462 SS-55	314	55	97% BuAc, 3% Xyl	Thixotropic	N/A	15
SETALUX 91756 VS-60	615	60	76% A100, 24% BuAc	Thixotropic	N/A	15
SETALUX 91767 VX-60	375	60	76% A100, 24% Xyl	Thixotropic	N/A	15
SCA - Modified Polyesters						
SETAL® 10-1803	300	65	BuAc	Thixotropic	N/A	15
SETAL 82166 SS-64	315	64	96% BuAc, 4% Xyl	Thixotropic	N/A	15
SETAL 90173 SS-50	650	50	Solvent naphtha/Xyl/MP	Thixotropic	N/A	19
SETAL 91715 SS-50	650	50	55% A100, 39% Xyl, 6% PGME	Thixotropic	N/A	19

Solventborne alkyd resins

Resin name	HEW (on NV)	NV (%)	Solvents	Viscosity (range)	Acid Value (mg KOH/g)	Color (max. value)	Density (kg/dm^3)
Short Oil Alkyds							
SETAL 11-1111	430	60	Xyl	Z1 - Z3	10	3 Gardner	1.03
SETAL 11-1113	430	70	90% BuAc, 10% MPK	X - Z	10	3 Gardner	1.08
SETAL 11-1154	259	70	70% i-But	Z6 - Z8	4	2 Gardner	1.10
SETAL 11-1161	430	60	Xyl	Z1 - Z3	10	2 Gardner	1.03
SETAL 11-1162	430	70	70% i-But, Tol, Xyl	Z1 - Z3	7	2 Gardner	1.05
SETAL 11-1166	430	70	70% i-But, Tol, Xyl	Z - Z2	7	2 Gardner	1.05
SETAL 11-1323	340	60	95% Tol, 5% Xyl	Z - Z2	8.5	5 Gardner	1.04
SETAL 11-1386	N/A	70	85% BuAc, 15% A100	Z - Z2	16	12 Gardner	1.07
SETAL 11-1397	550	50	Xyl	Z1 - Z3	12	6 Gardner	1.00
SETAL 11-1470	700	65	65% BuAc, A100	Y - Z2	12	11 Gardner	1.04
SETAL 11-1492	570	50	Xyl	U - W	10	6 Gardner	0.98
SETAL 11-1495	1200	68	96% MAK, 4% Xyl	S - W	12	6 Gardner	1.03
SETAL 21-1395	N/A	80	50% MPK, 50% BuAc	Z4 - Z6	12	12 Gardner	1.08
SETAL 21-1491	N/A	75	50% MIBK, 44% MPK, 6% Xyl	Z1 - Z3	12	8 Gardner	1.04
SETAL 21-1498	N/A	75	50% MAK, 50% BuAc	Z3 - Z5	12	10 Gardner	1.07
SETAL 51-1111	430	70	75% tBAc, 15% A100, 10% BuAc	Z2 - Z4	12	3 Gardner	1.08
SETAL 51-1492	570	60	84% tBAc, 8% A100, 8% BuAc	Z - Z2	12	7 Gardner	1.03

	Density (kg/dm3)	Technical features
	0.92	Low viscosity microgel that has good application properties enabling excellent metal flake orientation. Prevents strike-in over basecoats.
	0.87	Non-aqueous highly cross-linked dispersion with rheological control. Excellent metal flake orientation. Prevents strike-in over basecoats.
	0.91	Low viscosity microgel that has good application properties and is excellent in yellowing resistance.
	0.96	Excellent balance of sag resistance and leveling properties. Excellent clarity, DOI, and edge coverage.
	1.04	Good anti-sag with good leveling and clarity. Good outdoor durability, mechanical properties, and excellent yellowing resistance.
	0.97	Opaque SCA modified thermosetting acrylic resin for improved application and sag control properties. Enhances chip resistance, solvent, fuel and acid resistance.
	1.0	Excellent anti-sagging effect, good appearance, adhesion, durability, chemical and gasoline resistance and excellent application properties.
	1.04	Transparent SCA modified polyester polyol - slightly branched, for low bake applications, clearcoats in wet-on-wet automotive, and plastic finishes.
	1.05	Transparent SCA modified polyester polyol - slightly branched, for improved flow at low film builds. Flexible clearcoats for plastic substrates.
	0.97	Medium and high solids metallic base coats for wet-on-wet applications.
	0.97	Opaque SCA modified polyester resin improves rheology of high solids automotive coatings.

	MIR* (gO_3/g VOC)	Technical features
	2.95	Good lacquer hardness. Good flow and film clarity. Conversion varnish.
	0.31	Good lacquer hardness. Good flow and film clarity. Conversion varnish. Non HAPs version of SETAL 11-1111.
		Non-oxidizing alkyd designed for use in non-lifting cellulose nitrate lacquers, conversion varnishes and baking enamels.
		Short oil coconut alkyd for use in non-lifting cellulose nitrate lacquers, conversion varnishes and baking enamels.
		Short oil coconut alkyd for use in non-lifting cellulose nitrate lacquers, conversion varnishes and baking enamels.
		Short oil coconut alkyd for use in non-lifting cellulose nitrate lacquers, conversion varnishes and baking enamels.
	1.66	Tall oil alkyd for use in nitrocellulose lacquers, sealers, basecoats and conversion varnishes for furniture and kitchen cabinets.
	0.55	Fast tack-free time. Good exterior durability and toughness. Low HAPs.
	3.69	Versatile chain-stopped TOFA alkyd for air-dry and bake enamels, isocyanate crosslinked coatings for vehicle refinish, and conversion varnishes.
	1.11	HAPs free, chain stopped soybean oil alkyd resin for use in the manufacture of general industrial air dry or force dry enamels.
	3.69	Good dry and film hardness. Good for exterior paints.
	0.78	Versatile, low HAPs, chain-stopped SOYA alkyd featuring low viscosity, good hardness, and gloss for air-dry and bake enamels.
	0.36	Low VOC. Excellent exterior durability and color retention. ACE, MPC.
	0.96	Low VOC. Fast dry. Excellent gloss and exterior durability. Blends good with medium oil HS alkyds. ACE, MPC, aerosol coatings.
	0.38	Low VOC. Fast dry. Excellent gloss and exterior durability. ACE, MPC, aerosol coatings.
	0.41	Low VOC, Non-HAPs version of SETAL 11-1111.
	0.33	Low VOC, Non-HAPs version of SETAL 11-1492.

*MIR (Maximum Incremental Reactivity) based on MIR values from the June, 2009, Carter model

Solventborne alkyd resins

Resin name	HEW (on NV)	NV (%)	Solvents	Viscosity (range)	Acid Value (mg KOH/g)	Color (max. value)	Density (kg/dm³)
Medium Oil Alkyds							
SETAL® 11-2332	N/A	40	98.5% MS, 1.5% Xyl Gel	gel	9 - 14	8 Gardner	0.84
SETAL 11-2407	750	60	97% VMP, 3% Xyl	Z3 - Z5	9	6 Gardner	0.92
SETAL 11-2457	840	50	98% MS, 2% Xyl	Z1 - Z3	9	4 Gardner	0.91
SETAL 11-2660	800	50	89% MS, 11% A100	U - Z	10	6 Gardner	0.91
SETAL 21-2658	N/A	80	50% MPK, 50% BuAc	Z1 - Z3	16	12 Gardner	1.07
SETAL 21-2662	N/A	80	92% MAK, 8% Xyl	Z3 - Z5+	10	8 Gardner	1.03
Long Oil Alkyds							
SETAL 11-3323	N/A	70	94% MS, 3% A100, 3% Xyl	Z3 - Z5	4 - 5.5	7 Gardner	0.96
SETAL 11-3466	1700	70	97% MS, 3% Xyl	Z - Z2	10	6 Gardner	0.96
SETAL 21-3464	N/A	100	N/A	H - J	4	6 Gardner	0.97
SETAL 21-3610	N/A	97	97% MS	Y - Z1	10	10 Gardner	0.99
Oil Modified Urethanes							
SETAL 15-1477	N/A	60	MS	Y - Z1	2	5 Gardner	0.91
Modified Alkyds							
SETAL 12-1646	500	50	Xyl	W - Y	32	12 Gardner	0.99
SETAL 22-1343	570	75	45% BuAc, 43% MPK, 9% Xyl, 3% MIBK	Y - Z1	15	13 Gardner	1.05
SETAL 52-1646	500	60	80% tBAc, 10% A100, 10% BuAc	X - Z	32	12 Gardner	1.03
Alkyd - Copolymers							
SETYRENE® 13-1405	N/A	60	Xylene	Z2 - Z4	14	6 Gardner	1.00
SETYRENE 13-1807	N/A	50	67% VMP, 14% Tol, 14% BuAc, 5% Xyl	X - Z	10	6 Gardner	0.91
SETYRENE 13-2434	N/A	50	99% VMP, 1% Xyl	Z1 - Z3	10	6 Gardner	0.89
SETYRENE 13-3504	1550	50	Xyl	P - T	10	5 Gardner	0.97
SETYRENE 13-3513	N/A	60	Tol	Z - Z2	10	4 Gardner	1.01
SETYRENE 13-3516	1550	60	68% VMP, 32% Xyl	Y - Z1	10	5 Gardner	0.95
SETYRENE 13-3518	1100	60	VMP	Z - Z2	10	6 Gardner	0.97
SETYRENE 23-3319	1300	80	80% BuAc, MAK	Z5 - Z7	15	7 Gardner	1.03
SETYRENE 23-3320	1300	75	32% MAK, 25% BuAc, 20% MPK, 13% Xyl, 10% A100	Z3 - Z5	2	5 Gardner	1.02

	MIR* (gO_3/g VOC)	Technical features
		Thixotropic medium oil alkyd with excellent shear thinning for brushing enamels.
		Fast set. Good toughness and flexibility. ACE, MPC, traffic paint.
		Good flow and leveling. Good toughness and flexibility. Good exterior durability. Floor finishes, ACE, MPC.
		SOYA/linseed oil alkyd meeting performance of fed. spec. TT-R-266, type III but in a slower solvent blend.
		Low VOC. Good toughness and flexibility. Good gloss and exterior durability. Wrinkle varnish.
		Low VOC. Good metal wetting properties. Compatible with other medium and long oil alkyds. Floor enamels, ACE, MPC.
		Good color retention and exterior durability. Enables coatings with high specular gloss and good gloss retension.
		Good flow and leveling. Good exterior durability. High specular gloss. Architectural, MPC.
		Low VOC. Plasticizer with air dry potential. For use in thermoplastic hot melt traffic paints. Viscosity reducer for trade sale paints.
		Ultra high solids, excellent penetration, ages by erosive wear, rather than by flaking.
		Abrasion and mar resistance. Resistant to water, oils and solvents. For gym floor, wood flooring and trim varnish.
	3.86	Rapid dry and quick sand. Tough and solvent resistant. Good corrosion and lift resistance. Drum enamels. Outstanding flexibility and adhesion.
	0.58	Low VOC. Phenolic/rosin modified alkyd comparable to SETAL 12-1646. Excellent corrosion resistance.
	0.40	Low VOC version of SETAL 12-1646.
	2.95	Styrene alkyd copolymer. Very fast dry enamels and sealers for metal and wood. Hammertone finish.
	0.90	Styrene alkyd copolymer resin. Fast dry. For glossy enamels and sealers, toys, metal furniture, hardware.
	0.59	Vinyl toluene alkyd copolymer. Fast dry industrial coatings, floor sealers, dry fall maintenance coatings, aerosol paints.
	3.69	Oxidizing oil modified alkyd copolymerized with acrylic. Rapid dry, good adhesion and durability. ACE, MPC, metal furniture.
	1.59	Oxidizing oil modified alkyd copolymerized with acrylic. Very fast dry speed, good adhesion and durability. Aerosol marking enamels, GM.
	1.25	Acrylic modified alkyd copolymer with better aliphatic solvent tolerance than 13-1405 for aerosols.
	0.45	Optimized for best balance of aliphatic solvent tolerance, UV resistance, and low MIR for aerosols. Rapid air-dry and bake enamels for metal applications.
	0.22	Low HAPs containing high solids styrene acrylic modified copolymer alkyd. Good set/dry speed. High gloss, good general film performance. Good set/dry speed.
	0.80	Low VOC. Acrylic modified copolymer alkyd. VOC compliant DTM enamels and topcoats. ACE, under-hood parts, GM, aerosol coatings.

*MIR (Maximum Incremental Reactivity) based on MIR values from the June, 2009, Carter model

Solventborne polyester resins

Resin name	HEW (on NV)	NV (%)	Solvents	Viscosity (range)	Acid Value (mg KOH/g)	Color (max. value)
Polyester Polyols						
DUROFTAL® PI 2801/78BAC	245	78	BuAc	8,000 - 13,000 cP	16	30 Hazen
DUROFTAL VPI 2803/78BAC	280	78	BuAc	7,000 - 19,000 cP	17	50 Hazen
SETAL® 26-1089	212	75	BuAc	Z3 - Z5	20	100 APHA
SETAL 26-1619	380	80	BuAc	W - Y	4	3 Gardner
SETAL D RD 181X	460	75	Xyl	6,000 - 9,000 cP	16	150 APHA
Polyesters - Thermosetting / Baking						
DUROFTAL VPE 6104/60MPAC	1040	60	MPA	4,00 - 8,000 cP	3.0	3 Iodine
SETAL 16-1084	1370	70	90% EB, 10% Xyl	Z2 - Z4	12	4 Gardner
SETAL 20-1020	400	75	EtAc	Z - Z3	12	2 Gardner
SETAL 26-1056	250	95	BuAc	Z4 - Z6	30	4 Gardner

Unsaturated polyester resins

Resin name	HEW (as supplied)	NV (%)	Solvents	Viscosity (range cP)	Acid Value (mg KOH/g)	Color (max. value)
Standard Unsaturated Polyester Resins						
ROSKYDAL® 300/1	N/A	70	Sty	550 - 750	18	≤ 150 Hazen
ROSKYDAL 500 A	N/A	76	Sty	1,600 - 2,000	15	100 APHA
ROSKYDAL 502 BA	N/A	80	BuAc	4,000 - 5,000	18	100 APHA
ROSKYDAL E 65	N/A	65	Sty	500 - 700	12	150 APHA
ROSKYDAL E 70	N/A	66	Sty	800 - 1,100	12	3 Iodine
ROSKYDAL F 8100	N/A	75	Sty	2,680 - 3,000	20	2 Iodine
ROSKYDAL K 36	N/A	63	Sty	350 - 450	10	≤ 15 Iodine

Solventborne epoxy resins and hardeners

Resin name	NV (%)	Solvents	Viscosity (range)	Acid Value (mg KOH/g)	Color (max. value)	Oil type	Density (kg/dm³)
Epoxy Ester Resins							
DUROXYN® EF 900/60X	60	Xyl	3800 cP	< 3.0	8 Iodine	DCO fatty acid	0.97
DUROXYN EF 932/60X	60	Xyl	3850 cP	< 2	8 Gardner	VEG fatty acid	0.98
DUROXYN EF 935/60X	60	Xyl	430 cP	< 6.0	10 Iodine	DCO fatty acid, soya fatty acid	1.00
SETAL 18-1123	50	Xyl	W - Y	5	6 Gardner	Mixed	0.96
SETAL 18-1127	60	MS	Y - Z1	10	6 Gardner	TOFA	0.92
SETAL 28-4001	75	MS	Z4 - Z6	12	10 Gardner	TOFA	0.95

	Density (kg/dm³)	Technical features
	1.11	High hardness, excellent solvent and chemical resistance, superior weathering stability.
	1.14	High hardness, high gloss and depth of image, excellent solvent and chemical resistance, superior weathering stability.
	1.11	Low VOC. High crosslink density. Excellent hardness. Low temperature cure. Excellent compatibility with acrylic resins.
	1.08	Low VOC. Cross-linkable. Flexible and very durable. May be used as a reactive plasticizing modifier. Aerospace coatings.
	1.08	Low VOC. Two-Component polyurethane coatings for wood and parquet flooring.
	1.14	Replacement of epoxy resins in phenol-epoxy-systems in order to get BADGE or Bisphenol A free paints.
	1.08	Excellent gloss and color retention post bake. Good adhesion. Zero-T flexibility.
	1.13	Low VOC. Excellent flow and leveling. Good durability and appearance.
	1.07	Low VOC. Excellent hardness at low temperature cure. High gloss and DOI.

	Density (kg/dm³)	Technical features
	1.11	Wax-free. Tough but flexible UV cured coatings. Very good flow for spray and curtain coating.
	1.12	High brilliance, little yellowing in darkness, very good leveling properties and scratch resistance, reproducible matte effects.
	1.15	For monomer-free coatings in thin layers, good resistance to chemicals, solvents and yellowing in the light and dark, scratch resistant.
	1.11	Universal flexibilising resin with air-drying properties, also for primers, knifing- and spray fillers.
	1.12	Soft resin for the flexibilisation of all ROSKYDAL® types, especially for wood/furniture coatings.
	1.16	Fast curing and low greening; for clear and pigmented sealers with good sandability and good leveling.
	1.12	Binder for highly filled, coarse and fine knifing fillers for use on metal, wood and minerals.

	Technical features
	Superior adhesion. Good hardness, impact resistance and flexibility. High pigment loading, capable of high gloss. Excellent resistance to temperature, water and alkali. Used in anticorrosive paint systems and primers, zinc rich primer surfacers.
	Superior adhesion and flexibility. Excellent resistance to temperature, water and alkali. Radiant gloss.
	Very fast air drying. Excellent hardness, flexibility and adhesion. Excellent resistance to alkali, excellent color retention at elevated temperatures. Recommended for industrial bake enamels and anticorrosive primers.
	Good adhesion and corrosion resistance. Broad spectrum metal primers and enamels. Oil modified epoxy ester.
	Good adhesion. Good chemical and corrosion resistance. Metal primers, wood varnish, and concrete. Haps-free.
	Hard and flexible film with excellent adhesion. Good alkali and abrasion resistance. Haps-free.

Solventborne epoxy resins and hardeners

Resin name	EEW (as supplied)	AEW (as supplied)	NV (%)	Solvents	Viscosity (cP)	Oil type	Density (kg/dm³)
Epoxy Resins							
BECKOPOX™ EP 075	340	N/A	100	N/A	55 cP	N/A	1.06
BECKOPOX EP 116	180	N/A	100	N/A	9,400 cP	N/A	1.16
BECKOPOX EP 117	180	N/A	100	N/A	1,000 cP	N/A	1.13
BECKOPOX EP 128	195	N/A	100	N/A	1,100 cP	N/A	1.12
BECKOPOX EP 140	185	N/A	100	N/A	13,000 cP	N/A	1.16
BECKOPOX EP 151	450	N/A	100	N/A	32,000 cP	N/A	1.08
BECKOPOX EP 301/75X	500	N/A	75	Xyl	11,000 cP	N/A	1.07
BECKOPOX EM 460/60IBX	N/A	N/A	60	65% i-But, 25% Xyl, 10% ethyl benzene	1,100 cP	N/A	1.02
Amine Hardener							
BECKOPOX EH 651/70X	N/A	255	70	Xyl	1,100 cP	N/A	0.95

Carbamate resin

Resin name	NV %	Solvents	Viscosity (cP)	Oil type	Density (kg/dm³)
RESAMIN® HF 480	100	N/A	8,500	N/A	1.10

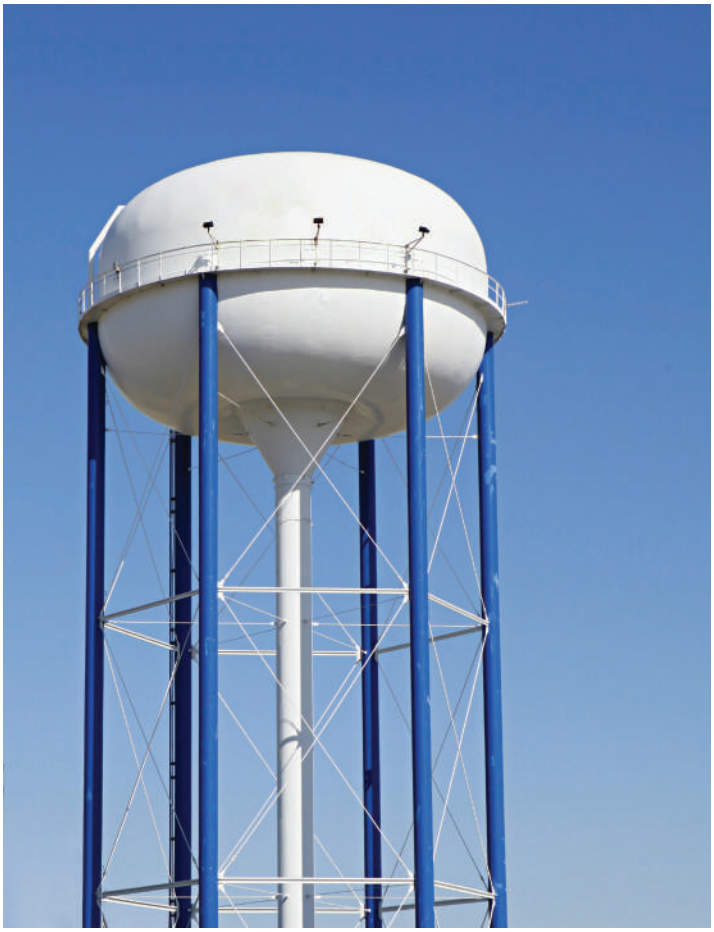
Natural oil polyols and bisoxazolidine resins

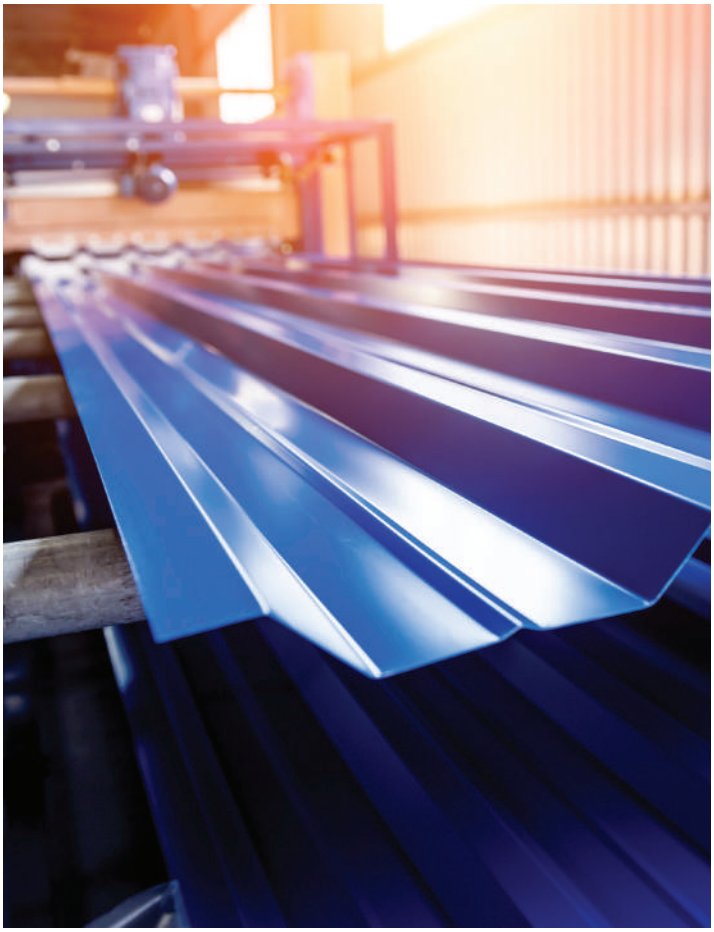
Resin name	HEW (as supplied)	NV (%)	Solvents	Viscosity (range cP)	Acid Value (mg KOH/g)	pH
Natural Oil Polyols						
SETATHANE® D 1145	240	100	N/A	2950	max. 2	N/A
SETATHANE D 1150	360	100	N/A	3500	max. 2	N/A
SETATHANE D 1156	325	100	N/A	1100	max. 2	N/A
SETATHANE D 1160	315	100	N/A	1000	max. 2	N/A
Polyol Emulsions						
SETATHANE D E 2656	565	70	WA	250	N/A	7.0
SETATHANE D E 2761	675	70	WA	250	N/A	7.0
SETATHANE D E 2767	110	90	WA	1200	N/A	6.5
SETATHANE E 2000	300	70	WA	350 max.	N/A	8.8
SETATHANE E 2017	733	70	WA	1000 max.	N/A	7.0
Urethane Bisoxazolidine Resin						
SETA® H 2959	330	100	N/A	3000	N/A	N/A

	Technical features
	Low odor, difunctional flexibilizing reactive diluent for two-component solventborne or 100% solids epoxy coatings.
	Solvent-free liquid non-crystallizing epoxy resin with high reactivity and good chemical and abrasion resistance. Used in solvent free coatings, adhesive and trowelling compounds, composites, casting compounds and laminates for electronics.
	Solvent-free liquid non-crystallizing epoxy resin containing reactive diluent for low viscosity. Highly loaded systems exhibit excellent tensile strength. Used in mortars for concrete repair, industrial flooring and adhesives for tiles.
	Bis-A liquid epoxy containing reactive diluent for low viscosity. Cured systems show low shrinkage and excellent resistance to chemicals, solvents and moisture. Used in abrasion resistance flooring compounds, castings, impregnations and composites.
	Standard liquid Bisphenol A epoxy, imparts adhesion, increased chemical resistance. Cured systems show low shrinkage. Used in abrasion resistance flooring compounds, castings, impregnations and composites.
	Flexibilized Bisphenol A liquid epoxy resin. Used as a plasticizing resin for improve the flexibility of epoxy resin systems. Suitable for castings needing permanent elasticity as well as castings subjected to severe vibration stresses.
	Type 1 solid epoxy resin for anticorrosion primers, zinc rich paints and high durability coatings. Used in combination with polyamines for ambient curing. Can also be used to improve adhesion and chemical resistance properties of saturated polyesters or thermoset acrylics in bake systems.
	Modified epoxy resin. Excellent adhesion to steel and nonferrous metals, high corrosion protection and good recoatability. Used in conjunction combination with polyvinylbutyral (PVB) for one- and two-component wash primers and weldable shop primers.
	Polyamidoamine hardener with long potlife, good flexibility, adhesion and chemical resistance. For both metallic and mineral substrates.

	Technical features
	Carbamic resin based on butylurethane and formaldehyde. Plasticizing component and compatibility promoter for thermoplastic backbone coating resins (e. g. nitrocellulose, PVC copolymers, cyclized rubber, PVB), alkyd/amino bake enamels and acrylic/isocyanate combinations.

	Color (max. value)	Density (kg/dm^3)	Technical features
	5 Iodine	1.01	Hard to tough but flexible films which are resistant to abrasion and chemicals.
	5 Iodine	1.01	Tough and flexible, hard-wearing and chemical resistant.
	5 Iodine	0.98	Reactive diluent to modify physical and mechanical properties.
	5 Iodine	0.99	High flexibility and good mechanical strength.
	N/A	1.00	Very good thermal-shock resistance and resistance to organic and inorganic acids, alkalis and solvents.
	N/A	1.00	Very good thermal-shock resistance and resistance to organic and inorganic acids, alkalis and solvents. Smooth finish.
	N/A	1.10	Outstanding resistance to organic and inorganic acids, alkalis and solvents.
	N/A	1.03	Excellent flow and levelling. Eliminates outgassing issues.
	N/A	0.97	Very good thermal-shock resistance to organic and inorganic acids and solvents. Excellent flow and levelling.
	4 Iodine	1.07	Latent hardener for polyisocyanates in one-component polyurethane systems in outdoor areas; homogeneous and blister-free hardening of coatings. Scavenger for two conponent isocyanate systems.





Waterborne acrylic resins

Resin name	HEW (as supplied)	NV (%)	Solvents	Viscosity (range cP)	Acid Value (mg KOH/g)	pH	Density (kg/dm³)
Acrylic Polyol Dispersions							
MACRYNAL® SM 6810w/42WA	990	42	WA / BP	200 - 3,000	8.2	8.5	1.05
MACRYNAL SM 6817w/44WA	1290	44	WA / BP	300 - 3,000	12	7.8	1.06
MACRYNAL SM 6826w/43WA	900	43	WA	< 500	< 6.4	7.5	1.06
MACRYNAL VSM 2521w/42WAB	950	42	WA / nBut	1,000 - 4,000	8.2	7.8	1.04
MACRYNAL VSM 6285w/43WABDG	1190	43	WA / BDG	400 - 2,000	< 15	8.8	1.05
MACRYNAL VSM 6299w/42WA	990	42	WA / SN / BG	800 - 4,000	10	7.8	1.06
SETAQUA® 6511	400	47	WA / EB	100 - 1,000	7.5	8.0	1.04
SETAQUA 37-6517	515	45	WA / EB / A100	400 - 1,500	10	8.0	1.05
SETAQUA 6534	450	47	WA	500 - 3,500	<17	7.5	1.06

Resin name	HEW (as supplied)	MFFT (approx.) (°C)	NV (%)	Solvents	Viscosity (range cP)	pH	Density (kg/dm³)
Acrylic Emulsions – Self Cross-linking							
SETAQUA 6717	N/A	59	44	WA	–	8.9	1.04
SETAQUA 6718	N/A	40	40	WA	–	8.0	1.04
SETAQUA 6722	N/A	15	40	WA	1000 max	8.0	1.05
SETAQUA 6756	N/A	15	40	WA	< 720	8.0	1.05
SETAQUA 6766	N/A	50	40	WA	< 150	9.0	1.04
SETAQUA 6770	N/A	15	44	WA	400 - 1,000	8,9	1.04
SETAQUA 6799	N/A	5	41	WA	< 200	7.5	1.05
SETAQUA 6899	N/A	30	43	WA	10 - 300	8.2	1.03
VIACRYL® SC 6827w/46WA	N/A	20	46	WA	< 150	4.2	1.06
VIACRYL VSC 6286w/45WA	N/A	11	45	WA	30 - 600	7.2	1.05
VIACRYL VSC 6295w/45WA	N/A	30	45	WA	25 - 120	7.2	1.05

	Technical features
	High quality two-component topcoats with excellent applicability and appearance. Excellent popping resistance, longer open time than MACRYNAL VSM 6299w/42WA.
	Low Isocyanate demand. Fast drying two-component topcoats with excellent applicability and appearance.
	Very high dry film thickness (>150 µm) without defects. Fast surface drying, shear stable with high pigment loading possible. For top quality two-component polyurethane coatings, in particular primer surfacers/fillers and matte topcoats and clearcoats.
	High quality clearcoats and topcoats for wood and metal substrates with excellent resistance to chemicals, high hardness, high abrasion resistance and excellent drying properties.
	High quality two-component topcoats with excellent application properties, good drying and very good gloss.
	High quality two-component topcoats with excellent hardness development at room temperature drying and very good gloss. Great balance of drytime and flow/leveling.
	Durable and abrasion resistant Two-Component waterborne PUR. Low co-solvent. High gloss, good mechanical properties.
	Two-Component waterborne PUR. Low co-solvent, non-foaming, high layer thickness. Blends with other Two-Component resins.
	Wet look, deep penetrating, high gloss, abrasion resistant concrete sealer, VOC <25 g/L.

	Technical features
	Self cross-linking, fine particle size acrylic dispersion developed for high performance topcoats for furniture and kitchen cabinets.
	Self cross-linking, surfacant-free acrylic dispersion for interior durable industrial finishes.
	Surfacant-free aqueous dispersion of acrylic polymers. For highly durable furniture finishes and other high performance industrial wood applications.
	Self cross-linking, surfactant free. Excellent hardness, fast dry and good sand ability. For clear lacquers. Excellent clarity, hardness, fast dry,
	Self cross-linking. High gloss and good appearance. Excellent block and chemical resistance.
	Self cross-linking for one-component waterborne wood and metal applications. Excellent overall performance, low coalescent demand.
	Self cross-linking acrylic polymer dispersion with excellent blocking resistance when applied in thick films, good transparency and non-yellowing properties.
	DTM product. High gloss, shear stable, very good hardness and block resistance, economical grade for corrosion protection.
	Self cross-linking acrylic with excellent blocking resistance in clear and pigmented decorative finishes.
	Sole binder for non-yellowing decorative paints, woodstains and for industrial applications.
	Fast drying and high hardness. Excellent sandability, chemcial resistance and abrasion resistance. Sole binder for waterborne wood coatings.

Waterborne acrylic resins

Resin name	MFFT (approx.) (°C)	NV (%)	Solvents	Viscosity (range cP)	pH	Density (kg/dm³)
Acrylic Emulsions – Physically Drying						
SETAQUA® 37-1371	20	48	WA	< 700	8.4	1.03
SETAQUA 37-3372	N/A	40	WA	< 100	7.5	1.03
SETAQUA 37-6802	N/A	24	WA	50,000 - 80,000	7.0	1.01
VIACRYL® SC 175 W/40 WAIP	N/A	40	WA / i-Pro	550 - 850	7.5 - 8.0	1.04
VIACRYL VSC 6254w/40WA	45	40	WA	70 - 200	8.5 (10WA)	1.04
VIACRYL VSC 6279w/45WA	25	45	WA	280 - 1,600	8.1 (10WA)	1.04
VIACRYL SC 6835w	19	46	WA	2,000	8.3	1.04

Resin name	MFFT (approx.) (°C)	NV (%)	Solvents	APEO free	Viscosity (cP)	pH at 10% solids	Neutralization
Acrylic Emulsions							
UCECRYL® B 1181	2	48	WA	√	600	7.5	NH3
UCECRYL B 3022	12	44	WA	√	600	8.8	NH3
UCECRYL B 3025	55	50	WA	√	< 200	8.5	NH3
UCECRYL B 3030	2	50	WA	√	1,100	8.5	NH3
UCECRYL B 3033	17	45	WA	√	400	7.8	NH3

Resin name	HEW (as supplied)	MFFT (approx.) (°C)	NV (%)	Solvents	Viscosity (range cP)	pH	Density (kg/dm³)
Acrylic Emulsions – Amino Cross-linking							
VIACRYL SC 6844	890	15	42	WA	< 150	3.5	1.06
VIACRYL VSC 6273w/44WA	1,500	N/A	44	WA / DPM / i-Pro	200 - 2,400	8.6	1.04
VIACRYL VSC 6800w/47WA	1,195	N/A	47	WA	300 - 2,000	8.5	1.06

	Technical features
	Fine particle size styrene-acrylic. Excellent adhesion to galvanized metal. Early water resistance.
	Excellent adhesion and exterior durability. Good water and salt spray resistance.
	For OEM metal and plastic. Good atomization and metal flake orientation. Pseudoplastic after neutralization.
	Designed for the formulation of water dilutable flexographic and gravure printing inks with high gloss, good abrasion resistance, and fast drying.
	Mainly suitable in combinations with alkyd emulsions and hydroxy functional copolymer dispersions in order to improve the physical drying properties.
	Excellent compatibility with alkyd resin emulsions. High shear stability. Fast drying. Excellent non yellowing properties and outdoor durability. Recommended for rapid drying anticorrosion primers and decorative finishes.
	High gloss DTM with good flexibility, good early water, oil, and scuff resistance.

	Technical features
	Low MFFT straight acrylic emulsion copolymer. Suitable for fresh concrete, very low water uptake with very good resistance to efflorescence. For use in clearcoats with excellent water resistance.
	Medium MFFT straight acrylic emulsion copolymer with good resistance to water whitening. For formulating low VOC (<50g/l), semi-transparent vertical stains on multiple wood species with good durability, wet adhesion, low water uptake and efficient thickener response.
	High MFFT styrene acrylic emulsion copolymer, recommended for use in concrete floor coatings and renovation paints for metal siding.
	Low MFFT styrene acrylic emulsion copolymer recommended for use in high PVC coatings for concrete tiles. Suitable for fresh concrete. Excellent durability. May be used as co-binder to improve flexibility and durability.
	Medium MFFT straight acrylic emulsion copolymer recommended for clear and pigmented concrete sealers that exhibit excellent hardness development, water whitening resistance, chemical resistance and hot-tire pickup resistance.

	Technical features
	Solvent free. For use in combination with CYMEL® NF 3030 formaldehyde free crosslinker for wood cabinetry, furniture and other industrial wood applications.
	High gloss, good outdoor durability and low yellowing. For use in combination with HMMM type amino crosslinkers such as CYMEL 303 for bake enamel systems.
	For use in combination with reactive amino crosslinkers such as CYMEL 327 for high gloss, non yellowing industrial bake systems.

Waterborne alkyd and polyester resins

Resin name	NV (%)	Solvents	Type of modification	Oil length %	Viscosity (range cP)	pH	Neutralization	Density (kg/dm³)
Waterborne Alkyds - Air Drying								
RESYDROL® AY 241w/40WA	40	WA / BG	Acrylic	24	1,000 - 6,000	8.8	NH3	1.02
RESYDROL AY 430w/42WA	42	WA / BG	Acrylic	44	6,000 - 11,000	8.2	NH3	1.03
RESYDROL AY 586w/42WA	45	WA	Acrylic	58	400 - 2,500	8.0	NH3	1.02
RESYDROL AY 6150w/45WA	45	WA / BP	Acrylic	35	300 - 2,000	8.6	NH3	1.05
RESYDROL VAY 6096w/39WA	39	WA / BG	Acrylic	32	2,000 - 8,000	7.5	NH3	1.04
RESYDROL VAY 6278w/45WA	45	WA	Acrylic	15	70 - 500	8.2	NH3	1.03
RESYDROL AY 6705w/44WA	44	WA	Acrylic	35	100 - 1,000	8.5	NH3	1.03
RESYDROL AZ 6191w/42WA	42	WA	Acrylic/urethane	44	400 - 2,400	8.6	TEA	1.05
RESYDROL AZ 6710w/41WA	41	WA	Acrylic/urethane	29	500 - 1,000	8.5	NH3	1.02
SETAQUA® 31-6037	40	WA	Acrylic	60	200 - 1,200	8.2	NH3	1.02
SETAQUA 6407	26	WA / BG	N/A	N/A	3,800 - 5,000	8.2	DMEA	1.04
SETAQUA B B 130	30	WA	Non-saponifiable polymer	N/A	1,600 - 3,000	8.8	NH3/TEA	1.00
Waterborne Alkyds – Baking								
RESYDROL AF 502w/35WA	35	WA	Fatty acid	52	200 - 3,000	8.2	DMEA	1.03
RESYDROL AM 224w/40WA	40	WA / MPP	Fatty acid	22	100 - 700	8.2	DMEA	1.07
Waterborne Polyesters – Baking								
RESYDROL AN 6618w/42WA	42	WA	N/A	N/A	10 - 1,000	7.8	DMEA	1.10
RESYDROL AZ 541w/42WA	42	WA / TPG	Urethane	N/A	50 - 3,000	7.8	DMEA	1.07

	Technical features
	Extremely rapid initial drying. Excellent through-hardening, high film hardness. Very good water resistance. Sole binder for primers or a partner for other RESYDROL resins to improve drying behavior.
	Very rapid drying, good brushability, high gloss and good weather resistance. For decorative paints on wood and metal.
	Sole binder for waterborne decorative paints, exterior wood stains and industrial finishes. Low particle size that shows good wood penetration, provides good durability.
	Designed for the production of air drying, waterborne one-component topcoats, multi-purpose primers and monolayers. Quick drying, good hardness development, high gloss and corrosion protection, good adhesion on various substrates and very good recoatability at any time.
	Very quick drying, high film hardness, good gloss in decorative topcoats. High water resistance and outdoor durability. Recommended as sole binder in fast drying industrial coating systems.
	Quick drying, low yellowing. Use as a sole binder for decorative primers and topcoats or as a blending resin to improve drying properties.
	Exhibits very good durability and fast dry when used as a vertical or horizontal stain. Can be used alone or in combination with other w/b resins for decorative paints, exterior wood stains and industrial finishes.
	Excellent drying and hardness development. Shear stable, high gloss, great flow and leveling, high color retention for indoor and outdoor applications.
	Sole binder for (trim) paints, primers and wood-stains. Good penetration, good open time drying balance, good weathering resistance.
	Fast dry acrylic modified alkyd dispersion. Low VOC. Superior gloss and hydrolytic stability. Excellent block resistance.
	Good pigment wetting, good stabilisation of aluminium pigments, improves film forming and flow.
	Good anti-corrosion properties, water resistance and adhesion to non-ferrous metals and various plastic surfaces.
	Excellent pigment wetting, excellent application properties for high bodied bake systems in one coat and decorative finishes.
	Very good pigment wetting. Excellent application properties. For bake primers, one coat and decorative industrial finishes.
	Excellent adhesion on different metals; outstanding pigment wetting and gloss. Excellent mechanical properties and good yellowing resistance even at high curing temperatures.
	Primer surfacers have excellent processing properties and resistance against stone chipping, even at higher layer thickness of top coat.

Waterborne epoxy resins and hardeners

Resin name	NV (%)	Solvents	Viscosity (range cP)	AEW (as supplied)	EEW (as supplied)	pH	Density (kg/dm³)
Amine Hardeners for Epoxy Resins and Dispersions							
BECKOCURE® EH 2100w/44WA	44	WA	100 - 700	570	N/A	9.5	1.07
BECKOCURE EH 2260w/41WA	41	WA	25 - 2,000	1000	N/A	9.0	1.06
BECKOPOX™ EH 613w/80WA	80	WA	23,000 - 31,000	145	N/A	N/A	1.10
BECKOPOX EH 623w/80WA	80	WA	12,000 - 21,000	200	N/A	N/A	1.10
BECKOPOX EH 2162w/75WA	75	WA / MP	1,900 - 7,200	225	N/A	N/A	1.10
BECKOPOX VEH 2106w/80WA	80	WA	14,000 - 21,000	142	N/A	N/A	1.08
BECKOPOX VEH 2188w/55WA	55	WA / PE	6,000 - 14,000	380	N/A	N/A	1.08
BECKOPOX VEH 2849w/80WA	80	WA	18,000 - 25,000	134	N/A	N/A	1.09
Epoxy Resins – One-component							
BECKOPOX EM 2120w/45WA	45	WA	25 - 1,000	N/A	N/A	5.0	1.07
Epoxy Resins and Dispersions							
BECKOPOX EP 147w	100	N/A	9,000 - 13,000	N/A	194	N/A	1.17
BECKOPOX EP 384w/53WA	53	WA / MP	400 - 750	N/A	980	N/A	1.10
BECKOPOX EP 386w/52WA	52	WA / PE	300 - 1,500	N/A	1,000	N/A	1.08
BECKOPOX EP 387w/52WA	55	WA / MP	300 - 1,500	N/A	1,000	N/A	1.08
BECKOPOX EP 2340w/56WA	56	WA	300 - 600	N/A	430	N/A	1.10
BECKOPOX EP 2384w/57WA	57	WA	300 - 1,300	N/A	750	N/A	1.09
Epoxy Esters							
DUROXYN® EF 2107w/43WA	43	WA	25 - 1,000	N/A	N/A	5.0	1.07
DUROXYN EY 2500w/40WA	40	Water	25 - 1000			5.0	1.07
DUROXYN SEF 968w/50WA	50	WA	200 - 1200	N/A	N/A	3.5	1.08
DUROXYN VAX 6127w/42WA	42	WA / MB	200 - 3,000	N/A	N/A	9.2	1.03
DUROXYN VEF 4380w/35WA	35	WA / BG	4,000 - 10,000	N/A	N/A	8,7	1.02
RESYDROL® AX 906w/35WA	35	WA / MPP	3,000 - 10,000	N/A	N/A	8.0	1.06

Technical features
Amine-hardener dispersion, particularly suitable for the formuation of waterbourne 2K epoxy coatings for concrete and metal, free of volatile amines and solvents.
Easy Cure System - low viscosity hardener, very fast drying, high sag resistance. Combine with BECKOPOX EP 2384w or BECKOPOX EP 387w for easy handling and application with fast return to service for metal applications.
Aliphatic polyamine adduct, fast drying, highly reactive hardener. Good anti-corrosion performance and high chemical resistance. Can be used alone or in combination with other hardeners to modify drying and pot life properties. For both metallic and mineral substrates.
Aliphatic polyamine adduct with medium reactivity with a good balance of drying time and long pot life. Workhorse hardener for mineral substrates.
Aliphatic polyamine adduct with medium reactivity for mineral and metallic substrates. The lower viscosity of this hardener allows for easier use and handling. Pot-life extension is seen when formulated in low VOC concrete coatings and used in combination with liquid epoxy resins.
Aliphatic polyamine adduct, visual end of pot life viscosity to a gel. Used as a combination partner with other hardeners to allow potlife indication. For both metallic and mineral substrates.
Hydrophobic aliphatic polyamine adduct, free of volatile amines, low reactivity and long pot life. Allows for excellent corrosion performance without the need for active pigments.
Aliphatic polyamine adduct, fast drying, highly reactive hardener. Used for anticorrosion primers with excellent water and corrosion resistance. Good for thick film applications and zinc rich primers.
Cationic epoxy-amine adduct dispersion for metallic coatings, excellent corrosion resistance, fast hardness development.
Water emulsifiable Bis-A/Bis-F, non-crystallizing, liquid epoxy. High abrasion resistance, good chemical resistance and corrosion protection. Combine with solid epoxy dispersions to improve penetration into concrete and chemical resistance. Used for coatings on metallic and mineral substrates, adhesives and water-washable joint compounds for tile.
Shear stable type 1 epoxy dispersion, fast drying, good hardness, for both metal and concrete applications.
Flexiblized type 1 epoxy dispersion with good shear stability. Excellent corrosion resistance. Best product to use when flexibility and adhesion to difficult substrates are required. Designed for metallic substrates. Can also be used on concrete in combination with liquid epoxy resin.
Flexibilized epoxy dispersion with excellent corrosion resistance. Developed to optimize formulation cost and performance. Designed for metallic substrates. Can also be used on concrete in combination with liquid epoxy resin.
Pre-emulsified, modified BisA liquid epoxy resin for use on metal or mineral substrates.
Solvent free, shear stable type 1 epoxy dispersion. Fast drying and hardness development. For both mineral and metallic substrates.
Cationic epoxy ester emulsion, fatty acid modified, neutralized with acetic acid. Fast drying, more flexible than DUROXYN VEF 2406. Excellent stain blocking on wood.
Cationic epoxy/acrylic hybrid with excellent stain and tannin blocking; indoor/outdoor capabilities. Designed for outdoor applications.
Non-drying epoxy resin ester, water emulsifiable. Used as a binder for fiber sizings (glass and carbon fiber).
Acrylic and fatty acid modified epoxy ester emulsion, neutralized with triethyl amine. Fast oxidative drying, excellent corrosion resistance, good pigment wetting, high water stability, good re-coatability. Sole binder for air and forced drying anticorrosive primers and gloss industrial coatings.
Quick oxidative drying, excellent corrosion resistance, high water stability, good adhesion to metal and good recoatability. Used as a sole binder in anticorrosive primers, monocoats and topcoats.
Outstanding anticorrosive properties, excellent pigment wetting, high reactivity, very good storage stability. Good balance of hardness and flexibility. For waterborne corrosion-resistant dipping and spray primers and high-grade finishes for industrial applications.

Waterborne polyurethane dispersions

Resin name	NV (%)	Solvents	Type	Viscosity (cP)	pH (at 10%)	Neutralization	Elongation %	HEW (as supplied)
Waterborne Polyurethane Dispersions								
DAOTAN® TW 1252/42WA	42	WA / NEP	Aliphatic Fatty acid	1000	8.2	NH3	-	3120
DAOTAN TW 6425/40WA	40	WA	Aliphatic/aromatic polyester	600	7.7	DMEA	-	2550
DAOTAN TW 6450/30WA	30	WA / DPGDME / MP	Aliphatic polycarbonate	< 50	8.2	DMEA	350	-
DAOTAN TW 6451/32WA	32	WA/DPGME	Polyester aromatic aliphatic	100	8.4	DMEA	200	-
DAOTAN TW 6473/37WA	37	WA	Aliphatic polyester/acrylic	425	8.0	DMEA	-	-
DAOTAN TW 6474/37WA	37	WA / DPGDME	Aliphatic polyester/acrylic	< 40	8.4	TEA	-	-
DAOTAN TW 6490/35WA	35	WA	Aliphatic polyester	75	9.2	TEA	400	-
DAOTAN TW 6491/33WA	33	WA	Aliphatic polyether	75	9.8	TEA	525	-
DAOTAN TW 6493/35WA	35	WA	Aliphatic polyester	75	9.8	TEA	30	-
DAOTAN TW 6495/35WA	35	WA	Aliphatic polyester	75	8.6	DMEA	-	-
DAOTAN TW 7010/36WA	36	WA / DPGDME / MP	Aliphatic polycarbonate	105	8	DMEA	-	1484
DAOTAN TW 7061/35WA	35	WA	Aliphatic polyester/acrylic	350	8.0	DMEA	120	-
DAOTAN TW 7064/36WA	36	WA	Aliphatic polyester/acrylic	130	7.9	DMEA	-	-
DAOTAN TW 7066/36WA	36	WA	Aliphatic polyester/acrylic	120	7.9	DMEA	120	-
DAOTAN VTW 1250/39WA	39	WA / MPP	Aromatic fatty acid	2000	7.4	NH3	-	4010
DAOTAN VTW 6462/36WA	36	WA	Aliphatic polyester/acrylic	130	7.9	DMEA	140	3900
DAOTAN VTW 6463/36WA	36	WA	Aliphatic polyester/acrylic	130	7.9	DMEA	-	3900

	Density (kg/dm³)	Technical features
	1.05	Very fast set and through drying. Very high gloss for decorative topcoats. Good water and weather resistance.
	1.08	Shear stable. Good flexibility when cured with isocyanates as well as melamine resins, with good adhesion to polyamide, polycarbonate, ABS and pretreated PP/EPDM.
	1.04	High molecular weight, forms a clear crack-free film at ambient temperatures. Excellent elasticity and mechanical properties as well as very good adhesion to different plastic substrates like ABS, PC, PA, PVC, PC/PBT. Used for plastic primers and auto OEM basecoats with outstanding stone-chip resistance.
	1.05	Form clear, crack-free fims without additional organic solvent or additives. High elasticity with excellent adhesion to plastics, especially suited for primer.
	1.04	Self-crosslinking acrylic modified polyurethane dispersion. Shear stable with good pigment compatibility. Good adhesion to PC, PMMA, ABS. Used preferably for anti-fogging coatings.
	1.05	Hard grade polyurethane dispersion, particularly suitable as combination partner for alkyd and acrylic emulsions, significantly improving the drying time and early hardness development.
	1.04	Very good adhesion to plastic substrates like ABS, PVC, PC, PMMA.Hhigh elasticity and toughness, excellent mechanical properties (especially stone chip resistance), low yellowing at high temperature. Recommended for primer and basecoat applications.
	1.02	Quick drying, very high elasticity and elongation. Good for soft and flexible substrates. Good ink receptivity. Extremely good hydrolytic stability. Slight ambering at high temperatures.
	1.04	Glossy and flat furniture and parquet laquers. High film hardness, high elasticity and toughness, quick physical drying.
	1.04	Very good adhesion to plastic substrates like e.g. ABS, PVC, PC, PMMA. high elasticity and toughness, excellent mechanical properties (especially stone chip resistance), little yellowing at elevated temperature.
	1.06	Very high hardness along with flexibility. Very good adhesion to plastics substrates commonly used in automotive applications (ABS, PC, PP [flam.], PVC, PPSU). Extremely high water and chemical resistance including sunscreen and bug spray. Shows good adhesion after hot water testing and excellent flop effect for metallic basecoats.
	1.03	Themal yellowing stability up to 200ºC, excellent mechanical impacted properties, shear stable. Excellent rheology with small addition of thickeners, providing a significant pseudo-plasticity. Especially suited for basecoat for automotive OEM and VR applications.
	1.06	Shear stable, self crosslinking, providing quick drying and good wetting properties. Good chemical and abrasion resistance, with good adhesion to ABS, PC, treated PP and PVC. Can be used for plastic primer and basecoat. In addition, this resin exhibits extraordinary bright metallic effects.
	1.05	High quality, waterborne metallic Basecoat formulations for automotive OEM application.
	1.05	Rapid dry and through drying. High corrosion protection. Good compatibility with acrylic dispersions. Recommended for fast drying anticorrosion primers.
	1.06	Self-crosslinking, good shear stability, pigment wetting, abrasion resistance and resistance to household detergents. Good adhesion to ABS, PA, rigid and flexible PVC and PMMA. Especially suited for primers and basecoats.
	1.05	Shear stable with good wetting properties, quick curing to give clear crack-free films. Good abrasion resistance and resistance to household chemicals. Good adhesion to ABS, PA, rigid and flexible PVC and PMMA. Especially suited for primers and basecoats.

Water reducible resins

Resin name	NV (%)	Solvents	Type of modification	Oil length %	Viscosity (range)	pH	Neutralization	Density (kg/dm³)
Water Reducible Alkyds – Air Drying								
RESYDROL® VAL 5547w	98	N/A	N/A	62	800 - 1,500 cP	6.5	Not neutralized	1.02
SETAL® 41-1390	70	EB/sec-BuOH	N/A	< 30	Z4 - Z6	N/A	Not neutralized	1.04
SETAL 41-1409	70	EB	N/A	< 30	Z5 - Z7	N/A	Not neutralized	1.05
SETAL 41-1449	70	EB	N/A	< 30	Z5 - Z7	N/A	Not neutralized	1.05
SETAL 41-1459	70	EB/sec-BuOH	N/A	< 30	Z4 - Z6	N/A	Not neutralized	1.04
Water Reducible Alkyds – Baking								
RESYDROL AX 246w/70BG	70	BG / MP	Epoxy	22	12,000 - 20,000 cP	N/A	DMEA	1.08
RESYDROL AX 247w/70BGMP	70	BG / MP	Epoxy	22	9,000 - 17,000 cP	N/A	Not neutralized	1.08
RESYDROL AX 250w/75EP	75	EP / BG	Epoxy	20	300 - 700 cP	N/A	DMEA	1.09
RESYDROL VAF 5540w/70MP	70	MP	N/A	11	300 - 550 cP	N/A	Not neutralized	1.10
Water Reducible Epoxy Esters								
RESYDROL AX 237w/70BG	70	BG	Epoxy	23	8,000 - 14,000 cP	N/A	Not neutralized	1.02
SETAL 48-6093	70	EB	N/A	N/A	Z5 - Z7	N/A	Not neutralized	1.02
Water Reducible Polyesters								
DUROFTAL® PE 6607/60BGMP	60	BG / MP	N/A	N/A	500 - 2,000 cP	N/A	Not neutralized	1.10
RESYDROL AN 6617w/65MPP	65	MPP	Polyester	N/A	3,000 - 6,000 cP	7.5	DMEA	1.09
SETAL 6306 SS-60	60	EB	N/A	N/A	1,300 - 2,700 cP	N/A	Not neutralized	1.04
SETAQUA® B E 270	70	WA/EB/DMEA	N/A	N/A	9,000 - 15,000 cP	8.0	DMEA	1.10
Water Reducible Acrylic Polyols								
SETAQUA 47-1257	70	i-Pro/EGMBE	N/A	N/A	Z5 - Z7	N/A	Not neutralized	1.01

	Technical features
	Water dilutable without the need for neutralization agents. Very high penetration into the wood and is compatible with alkyd dispersions. Great for wiping stains.
	Fast dry, good corrosion resistance, low application viscosity. General industrial undercoats and primers.
	Excellent drying and application properties; improved corrosion resistance and stability.
	Best U.V. resistance. High drink. For primers and enamels.
	U.V. resistance similar to 41-1449. For air-dry, force-dry, and bake primers and enamels.
	Excellent pigment wetting. Outstanding anticorrosive properties. High reactivity, very good storage stability. Used for waterborne corrosion resistant dipping and spray primers for low bake temperatures. High-grade waterborne finishes for industrial applications.
	Excellent pigment wetting. Outstanding anticorrosive properties. High reactivity, very good storage stability. Used for waterborne corrosion resistant dipping and spray primers for low bake temperatures. High-grade waterborne single-coat finishes for industrial applications.
	Excellent pigment wetting, high corrosion protection, very good reactivity with melamine resins. As combination partner for stoving systems to increase reactivity and improve corrosion protection.
	Good pigment wetting, Excellent mechanical properties, Very good storage stability. Additional resin for water dilutable primer surfacers to improve leveling.
	Sole binder for air drying corrosion protection coatings. In combination with suitable melamine resins also for stoving systems and with polymer emulsions for air drying coatings for wood and plastic.
	Excellent Cleveland humidity resistance, salt fog resistance, and flexibility. Adhesion to a wide variety of metal substrates incuding HDG.
	Replacement of epoxy resins for interior and exterior coatings for metal packaging goods (can coating). When combined with phenolic resins or amino resins, these lacquers neither contain BADGE, nor Bisphenol A.
	Crosslinked with either Melamines or Isocyanates provides highly elastic coatings, especially recommended for Soft-Feel-coatings.
	For waterborne OEM basecoats. Good stabilization of aluminum flake pigments. Improves film formation and flow.
	Amino cure. Auto OEM primer surfacer, industrial bake primers and topcoats.
	Water reducible acrylic polyol designed for use in high gloss, industrial bake enamel systems. When used in conjunction with melamine crosslinking resins such as CYMEL® 303, it produces hard, high gloss coatings with excellent flexibility and chemical resistance.

Additives

Additive name	Dosage	Active content (%)	SB, WB, Universal	Additive type	Automotive	Industrial	Architectural
Anti Floating							
ADDITOL® XL 204	0.5 - 5.0% pigment	55	Universal	Anti floating, anionic	●	●	●
Pigment Wetting							
ADDITOL XL 250	0.5 - 5.0% pigment	55	Universal	Low MW ainionic pigment wetting	●	●	●
ADDITOL XL 255N	0.2 - 2% inorg pigment 1 - 5% org pigment	58	Universal	Electro neutral modified fatty acid polymer	●	●	●
ADDITOL XL 6577	1 - 3% inorg pigment 15 - 60% matting agent	50	SB	Anionic wetting	●	●	
Pigment Wetting and Anti-Settling							
ADDITOL XL 270	0.1 - 2% pigment	55	Universal	Electro neutral fatty acid component	●	●	●
ADDITOL VXW 6387	0.1 - 5% pigment	60	WB	Grinding thickener	●	●	●
Dispersing Additives							
ADDITOL VXL 4992	0.5 - 2.0% pigment / extender	50	SB	Modified polyester wetting additive	●		
ADDITOL VXL 6212	3 - 10% inorg pigment 10 - 50% org pigment	30	SB	High MW, urethane mod polymer, cationic	●	●	
ADDITOL VXL 6237N	3 - 10% inorg pigment 10 - 50% org pigment	30	SB	High MW polymer, cationic	●	●	
ADDITOL VXW 6208	3 - 10% inorg pigment 15 - 50% org pigment	50	WB	High MW polymer, non ionic		●	●
ADDITOL VXW 6208/60	3 - 10% inorg pigment 15 - 50% org pigment	60	Universal	High MW polymer, non ionic		●	●
ADDITOL VXW 6394	10 - 30% inorg pigment 30 - 75% org pigment	40	WB	High MW polymer, non ionic		●	●
ADDITOL XW 330	0.1 - 0.4% inorg pigment / extender	30	WB	Polyacrylic type dispersant, ammonium salt			●
ADDITOL XW 6588	3 - 10% inorg pigment 15 - 50% org pigment	48	WB	High MW polymer, non ionic		●	●
Grinding resins – Note: Please refer to Technical Data Sheets for guidance							
ADDITOL XL 6574	Grinding Resins	70	SB	Crosslinkable, multi-functional hyrbrid copolymer	●	●	
ADDITOL XW 6535	Grinding Resins	45	Universal	High MW, autoemulsifying polymer		●	●
ADDITOL XW 6565	Grinding Resins	38	Universal	High MW, autoemulsifying polymer		●	●
ADDITOL XW 6591	Grinding Resins	35	WB	Modified acylic polymer, crosslink able	●	●	
G-CURE® 27-0210	Grinding Resins	90	SB	Novel high solids two-component acrylic polymer	●	●	
SETALUX® 27-2677	Grinding Resins	90	SB	Novel high solids two-component acrylic polymer	●	●	

	Technical features
	Improves significantly floating of inorganic and organic pigments. Prevents Bénard cell formation. Reduces dispersing time.
	Very strong pigment wetting for inorganic and metallic effect pigments. Reduces dispersing time, improves gloss and color strength.
	Very strong pigment wetting, dispersing and flocculation control additive. Effective at low dosage, especially recommended for the production of very stable pigment pastes (e.g. in combination with grinding resins).
	Supra dispersant for inorganic pigments and extenders. Best in class efficiency, high loading and low viscosities.
	Multi purpose additive for improved pigment wetting, anti settling and anti floating. Improves paint rheology.
	Thickening grind.
	Multi purpose additive for unsaturated polyester based putties. Strong wetting power for inorganic pigments and fillers. Reduces dispersing time, improves degassing, flow and rheology.
	Dispersing additive for all pigment types. Recommended for direct grinding process. Very good compatibility with acrylic systems.
	Dispersing additive for all pigment types. Recommended for direct grinding and binder free pigment concentrates. Broad compatibility.
	High efficient dispersing additive for all pigment types. The non ionic polymer structure allows utilization in sensitive formulations such as WB epoxy systems. Highly recommended for anti corrosive systems, for both direct grinding and pigment concentrates.
	High efficient dispersing additive for all pigment types. The non ionic polymer structure allows utilization in all paint systems, especially in sensitive epoxy formulations. Highly recommended for anti corrosive systems, for both direct grinding and pigment concentrates.
	Dispersing additive for all pigment types. Suitable for sensitive paint formulations such as WB epoxy systems. Highly recommended for WB binder free pigment concentrates.
	Low MW dispersing additive for highly loaded architectural paint formulations. Recommended for inorganic pigments and fillers.
	Powerful dispersant for all pigments and fillers. Yields low viscosity pigment grinds and excellent color properties. Low ion migration technology protects resin corrosion prevention properties.
	Broad compatibility with wide range of resin/solvent systems, gives excellent low viscosity, high pigment carrying colorants. Durable backbone for excellent weathering.
	Universal grinding resin for the production of in house and POS tinting systems suitable for architectural and light industrial colorants. Highly recommended for exterior application.
	Universal grinding resin for the production of in house and POS tinting systems suitable for architectural and light industrial colorants. Highly recommended for exterior application. Ultra low VOC and ECO labels 2009/543 - 544/EC.
	Low yellowing crosslinkable grinding resin with high pigment loading capacity. Improves chemical resistances. Suitable for bright colors. Broad compatibility.
	Low VOC, excellent pigment wetting properties. OH functional to crosslink with aliphatic hardeners.
	Low VOC, higher Tg vs ADDITOL® XL 6576. Excellent compatibility with aliphatic hardeners. Broad binder & solvent compatibility.

Additives

Additive name	Dosage	Active content (%)	SB, WB, Universal	Additive type	Automotive	Industrial	Architectural
Flow and Leveling Additives (Silicone-Free)							
ADDITOL XL 480	0.1 - 0.5% total	70	SB	Modified low MW acrylic polymer, FDA	●	●	
ADDITOL XL 481	0.1 - 0.5% total	60	SB	Polyacrylate	●	●	
ADDITOL XL 482	0.05 - 0.25% total	100	SB	Polyacrylate, FDA	●	●	
ADDITOL XW 395	0.1 - 3% total	50	Universal	Modified polyacrylate co-polymer FDA	●	●	●
MODAFLOW® 2100	0.1 - 1% total	100	SB	Medium MW acrylic polymer, FDA	●	●	
MODAFLOW 9200	0.1 - 0.5% total	100	SB	Low MW acrylic polymer, crosslinkable	●	●	
MODAFLOW AQ 3025	1 - 2% total	25	WB	Medium MW acrylic polymer, FDA	●	●	●
MODAFLOW EPSILON	0.1 - 1% total	80	SB	High MW acrylic polymer	●	●	
MODAFLOW RESIN	0.1 - 1% total	100	SB	High MW acrylic polymer, FDA	●	●	
MULTIFLOW® RESIN	0.5 - 3% binder	50	SB	High MW acrylic polymer	●	●	
Flow and Leveling Additives (Hybrid)							
MODAFLOW LAMBDA	0.1 - 0.4%	100	SB	OH-functional acrylic-silicone hybrid polymer	●	●	
Substrate Wetting and Anti-Crater Additives							
ADDITOL® VXW 6503N	0.1 - 1.5% total	50	Universal	Special silicone tenside	●	●	●
ADDITOL XW 395	0.1 - 3% total	50	Universal	Modified polyacrylate co-polymer FDA	●	●	●
ADDITOL XW 6580	0.05 - 0.5% total	100	Universal	Special silicone tenside	●	●	●
Silicone Leveling Additives							
ADDITOL VXL 4930N	0.05 - 0.3% total	40	Universal	Polyether modified silicone		●	●
ADDITOL XL 121N	0.1 - 0.5% total	14	SB	Modified silicon		●	●
ADDITOL XL 122	0.05 - 0.3%	45	SB	Modified silicone	●	●	●
ADDITOL XL 123N	0.05 - 0.5%	50	Universal	Modified silicone		●	●
ADDITOL XW 6586	0.25 - 0.5%	100	Universal	Modified silicone		●	●
Defoamer (Silicone-Free)							
ADDITOL VXW 4973	0.1 - 0.6% total	100	WB	Mineral oil, waxes	●	●	●
ADDITOL VXW 6386	0.5 - 1.5% total	100	WB	Hydrocarbons, waxes	●	●	
ADDITOL VXW 6393	0.1 - 0.5% total	100	WB	Special mineral oil, waxes		●	●
ADDITOL XL 6531	0.1 - 0.5% total	40	SB	Polymer defoamer		●	
ADDITOL XW 376	0.05 - 0.5% total	50	WB	Mineral oil, wax emulsion		●	●
ADDITOL XW 6544	0.05 - 0.5% total	100	WB	Polymer defoamer, VOC free		●	●
ADDITOL XW 6567	0.05 - 0.5% total	100	WB	Modified hydrocarbons, waxes, FDA		●	

	Technical features
	Leveling additive for improved surface quality and anti crater effect. Highly recommended for car refinish and coil coating systems.
	New flow modifier with good compatibility and easy incorporation. Recommended for top / mono coats.
	VOC free and labeling free flow and leveling additive for base and top coat systems. Good all around performance.
	Silicone-free substrate wetting, anti crater and leveling additive. Recommended for difficult wettable substrates. Not foam stabilzing. Does not harm intercoat adhesion.
	High efficient flow modifier with good compatibility and easy incorporation. Recommended for top / mono coats and also clear coat systems.
	High efficient flow modifier. Reduces film defects and strongly increases gloss and brilliancy. Recommended for high quality top / mono coats, especially recommended for clear coat systems.
	Flow promoter for WB high quality surfaces. Improves gloss and brilliancy, reduces micro foam.
	High efficient flow promoter for all SB pigmented top / mono coats. Limited compatibility with clearcoats. Improved degassing effect.
	High efficient flow promoter for all SB pigmented top / mono coats. Limited compatibility with clearcoats. Improved degassing effect.
	High efficient flow promoter for all SB pigmented top / mono coats. Limited compatibility with clearcoats. Improved degassing effect. Contains xylene.
	Highly efficient, crosslinkable flow promoter for improved surface characteristics such as gloss, DOI, brilliancy and anti orange peel effect (appearance). Combined efficiency of acrylic flow promoter and silicone leveling additive.
	Ecellent dynamic surface tension reduction and substrate wet out. No impact on coating slip performance.
	Silicone free substrate wetting, anti crater and leveling additive. Recommended for difficult to wet substrates. Not foam stabilzing. Does not harm intercoat adhesion.
	Fastest dynamic surface tension reduction giving strong substrate wetting and surface energy control. Not foam stabilizing, and gives good intercoat adhesion.
	Balanced silicone leveling additive with good substrate wet out and efficient spray mist absorption, orange peel correction, and anti cratering control effect. No foam stabilization.
	Silicone leveling additive with strong impact on slip and scratch resistance.
	Silicone leveling additive to improve substrate wetting and slip, very good compatibility.
	Silicone leveling additive to improve slip and scratch performance. Supports degassing effect and is thermostable up to 400°C.
	Multipurpose silicone omproving appearnce, gloss, and improvement in slip. FDA usage possible.
	Highly efficient defoamer with good compatibility and easy incorporation. Broad field of application.
	Defoamer for high quality coatings such as high gloss stoving systems.
	Highly efficient, low odor defoamer for industrial (anti corrosive) and architectural paints (interior).
	Special polymeric defoamer/deaerator for pigmented systems. Highly effective.
	Highly efficient, easy to incorporate defoamer. Especially recommended for architectural paint - good cost / efficiency balance.
	Highly efficient defoamer and deaerater for high viscous systems and pigment pastes. Excellent re-flow effect enables better surface quality.
	FDA approved defoamer for BandB, can, caps and closures and aerosol industry.

Additives

Additive name	Dosage	Active content (%)	SB, WB, Universal	Additive type	Automotive	Industrial	Architectural
Defoamer (Silicone-Containing)							
ADDITOL® VXL 4951 N	0.05 - 1% total	20	SB	Fluor modified silicone		●	
ADDITOL VXW 6210N	0.05 - 0.5% total	100	WB	Hydrocarbons, modified silicone	●	●	●
ADDITOL XW 6569	0.05 - 0.5% total	20	WB	Emulsifier free silicone emulsion, hydrophobic particles		●	●
ADDITOL XW 6584	0.05 - 0.5% total	20	WB	Emulsifier free silicone emulsion, hydrophobic particles	●	●	●
ADDITOL XW 6585	0.2 - 1.0% total	25	WB	Emulsifier free silicone emulsion, hydrophobic particles		●	
Air Release Additives (Silicone-Free)							
ADDITOL VXW 4909	2 - 10% binder	79	WB	Special fatty acid component	●	●	
ADDITOL VXW 4926	2 - 15% binder	100	WB	Special fatty acid component	●	●	
ADDITOL VXW 5907	2 - 3% binder	100	WB	Surface active degassing polymers	●	●	
ADDITOL XL 6507	0.1 - 0.5% total	10	SB	Degassing polymers, silicone free		●	
Catalysts – for complete list of available Catalysts, please refer to allnex Crosslinkers Product Guide							
Special Anti-Adhesion Additives							
ADDITOL XL 6568	2 - 5% total		Universal	Non toxic, modified fatty acid polymer	●	●	●
ADDITOL XL 6587	2 - 5% total		Universal	Lower yellowing formulation of Additol XL 6568	●	●	●
Driers – Cobalt-Free							
ADDITOL dry CF 100	0.3 - 0.9% on binder		Universal	1% Mn		●	●
ADDITOL dry CF 103	0.3 - 0.9% on binder		Universal	1% Mn		●	●
ADDITOL dry CF 200	0.75 - 1.35% on binder		Universal	10% ZR / 0.3% Li		●	●
ADDITOL dry CF 300	0.75 - 1.35% on binder		Universal	8% Zirconium / 5% Barium		●	●
ADDITOL XW 6533	4 - 6% solid binder		Universal	Co free drier. Accelerated Zr, Mn complex		●	●
Additional Oxidative Mixed Metal Driers							
ADDITOL VXW 4940N	2 - 3% solid binder		WB	Co, Ba, Zr emulsion, NPE-free		●	●
ADDITOL VXW 6206	1 - 3% solid binder		Universal	Co, Li, Zr combination drier, NPE-free		●	●

	Technical features
	Very efficient defoamer for solvent based paints. Strong anti blistering effect.
	Heavy duty defoamer for pigment preparations and other strong foaming systems.
	Balanced efficient defoamer for transparent and high gloss systems. No impact on rheology modifiers or recoatability.
	Highly efficient defoamer for transparent and high gloss pigmented topcoats. Defoamer for low shear incorporation (let down phase).
	Highly efficient defoamer for transparent and high gloss systems. Suitable for high and low PVC formulations. No interaction with associative thickeners - no impact on rheology profile.
	Defoamer and deaerater with broad compatibility and easy incorporation. Recommended for automotive systems.
	Balanced defoamer/deaerater enabling higher film build for automotive and industrial applications.
	Deaerater to reduce flash off time. Recommended for automotive and industrial systems.
	Defoamer / deaerater for all SB industrial paints, very efficient.
	Special anti adhesion additive for the production of peelable coatings e.g. temporary protection systems or moulding materials. Suitable for SB and WB formulations removable from various substrates such as metals, glass, wood, clays and plastics.
	Newest product with all the benefits of Additol® XL 6568 and improved color stability.
	Best paint aging stability, low color, fastest drying, early hardness development.
	Lowest VOC & odor drier with good paint againg stability, fast dry, and early hardness development. Long oil alkyd drying also possible.
	Recommended to be used together with primary driers, e.g. our Cobalt free ADDITOL dry CF 100 for all oxidative drying waterborne and solvent based alkyd resin paints to enable best set drying, easy incorporation, excellent color and corrosion performance.
	Recommended to be used together with primary driers, e.g .our Cobalt free ADDITOL dry CF 100 for all oxidative drying waterborne and solvent based alkyd resin paints to enable best through drying, easy incorporation, excellent color and outdoor durability.
	Co-free combination drier, allows fast set and through drying. Especially recommended for industrial alkyd primers and topcoats.
	Co-metal containing drier, high efficient and easy incorporation. Improves set and through drying.
	Co-metal containing drier, high efficient and easy incorporation. Improves set and through drying. Very fast set drying performance.

Rheological control resins

Resin name	HEW (as supplied)	NV (%)	Solvents	Viscosity (range cP)	Acid value (mg KOH/g)	Fineness, micron (max)
Rheological Control Resins						
SETALUX® 10-1302	N/A	50	60% MAK, 30% VMP, 10% Heptane	100 - 300	5	15
SETALUX 10-1387	N/A	40	45% Heptane, 38% MAK, 15% MS, 2% VMP	12 - 16 Ford	N/A	15
SETALUX 1850 SA-50	350	50	82% aliphatic HC, 18% BuOH	20 - 170	3	15
RCA						
SETALUX 10-6266	1250	45	70% MAK, 30% A100	< 1,200	8	N/A
SCA - Modified Acrylics						
SETALUX 81462 SS-55	314	55	97% BuAc, 3% Xyl	Thixotropic	N/A	15
SETALUX 91756 VS-60	615	60	76% A100, 24% BuAc	Thixotropic	N/A	15
SETALUX 91767 VX-60	375	60	76% A100, 24% Xyl	Thixotropic	N/A	15
SCA - Modified Polyesters						
SETAL® 10-1803	300	65	BuAc	Thixotropic	N/A	15
SETAL 82166 SS-64	315	64	96% BuAc, 4% Xyl	Thixotropic	N/A	15
SETAL 90173 SS-50	650	50	Solvent naphtha/Xyl/MP	Thixotropic	N/A	19
SETAL 91715 SS-50	650	50	55% A100, 39% Xyl, 6% PGME	Thixotropic	N/A	19

Rheological additives – paint thickeners

Additive name	Dosage	Active content (%)	SB, WB, Universal	Additive type	Automotive	Industrial	Architectural
ADDITOL® VXW 6360	0.1 - 3% total	30	WB	Polyurethane thickener	●	●	●
ADDITOL VXW 6387	0.1 - 5% pigment	60	WB	Special fatty acid component	●	●	●
ADDITOL VXW 6388	0.1 - 3% total	35	WB	Polyurethane thickener	●	●	●
ADDITOL XL 280	5 - 10% pigment	36	SB	Modified montmorrilonite clay	●	●	●
ADDITOL XW 6536	0.2 - 0.8% total	37	WB	Organic activate clay	●	●	●

	Density (kg/dm3)	Technical features
	0.92	Low viscosity microgel that has good application properties enabling excellent metal flake orientation. Prevents strike-in over basecoats.
	0.87	Non-aqueous highly cross-linked dispersion with rheological control. Excellent metal flake orientation. Prevents strike-in over basecoats.
	0.91	Low viscosity microgel that has good application properties and is excellent in yellowing resistance.
	0.96	Excellent balance of sag resistance and leveling properties. Excellent clarity, DOI, and edge coverage.
	1.04	Good anti-sag with good leveling and clarity. Good outdoor durability, mechanical properties, and excellent yellowing resistance.
	0.97	Opaque SCA modified thermosetting acrylic resin for improved application and sag control properties. Enhances chip resistance, solvent, fuel and acid resistance.
	1.0	Excellent anti-sagging effect, good appearance, adhesion, durability, chemical and gasoline resistance and excellent application properties.
	1.04	Transparent SCA modified polyester polyol - slightly branched, for low bake applications, clearcoats in wet-on-wet automotive, and plastic finishes.
	1.05	Transparent SCA modified polyester polyol - slightly branched, for improved flow at low film builds. Flexible clearcoats for plastic substrates.
	0.97	Medium and high solids metallic base coats for wet-on-wet applications.
	0.97	Opaque SCA modified polyester resin improves rheology of high solids automotive coatings.

	Technical features
	Associative thickener to control rheology and flow. High shear active for roller and brush application.
	Rheology modifier to prevent pigment sedimentaion and for improved sagging control and storage stability.
	Associative thickener to control rheology and flow. Low shear active for spray application - improved anti sagging and sedimentation.
	Powerful anti settling of pigments / extenders. Strong anti sagging effect.
	Special rheology modifier with extremely fast viscosity recovery. Recommended for high wet film thickness (airless spray). Prevents sagging and settling.

Notes

Notes

www.allnex.com

Disclaimer: allnex Group companies ('allnex') exclude all liability with respect to the use made by anyone of the information contained herein. The information contained herein represents allnex's best knowledge but does not constitute any express or implied guarantee or warranty as to the accuracy, the completeness or relevance of the data set out herein. Nothing contained herein shall be construed as conferring any license or right under any patent or other intellectual property rights of allnex or of any third party. The information relating to the products is given for information purposes only. No guarantee or warranty is provided that the product and/or information is suitable for any specific use, performance or result. Any unauthorized use of the product or information may infringe the intellectual property rights of allnex, including its patent rights. The user should perform his/her own tests to determine the suitability for a particular purpose. The final choice of use of a product and/or information as well as the investigation of any possible violation of intellectual property rights or misappropriation of trade secrets of allnex and/or third parties remain the sole responsibility of the user.

Notice: Trademarks indicated with ®, ™ or * as well as the allnex name and logo are registered, unregistered or pending trademarks of Allnex Netherlands B.V. or its directly or indirectly affiliated allnex Group companies.

©2022 allnex Group. All Rights Reserved.

Corporate Center
Frankfurt
The Squaire
Am Flughafen
D 60549 Frankfurt am Main
Germany

allnex USA Inc.
9005 Westside Parkway
Alpharetta, GA 30009
United States of America

Product Finder

Additives Finder

www.allnex.com

allnex
The Coating Resins Company

LRA020-NAM-0322