

WORLÉE[®]
seit 1851



Raw material for paints and lacquers

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additives



binders



Contents



Acrylic Resins	solvent based, hydroxyl group containing	WorléeCryl A	3
Acrylic Resins	water based emulsions, hydrosoles, solutions	WorléeCryl	3
Alkyd Resins	solvent based, short oil, air drying	WorléeKyd	4
Alkyd Resins	solvent based, medium oil, air drying	WorléeKyd	4
Alkyd Resins	solvent based, long oil, urethane modified	WorléeKyd	5
Alkyd Resins	solvent based, long oil, air drying	WorléeKyd	5
Alkyd Resins	solvent based, stoving systems, reactive and NC-combination	WorléeKyd	6
Alkyd Resins Acrylic Resins	solvent based, thixotropic	WorléeThix	6
Alkyd Emulsions	water based	WorléeSol E	7
Polyurethane Dispersions	water based	WorléePur E	7
Polyesters	water thinnable, oil free, saturated	WorléePol	7
Polyester/ether-polyols	solvent free, saturated	WorléePol	7
Polyesters	solvent based, saturated	WorléePol	7
Adhesion Promoters		Special-Primer	8
Additives	for paints and lacquers	WorléeAdd	9
Defoamers	for paints, lacquers and special applications	WorléeAdd	10
Sales Organisation			11



WorléeCryl - Acrylic Resins, solvent based, hydroxyl group containing

Type	OH-content on solids [%]	Flash point DIN EN 22719 [°C]	Viscosity 20°C, del.form Brookfield, ISO 2555 [mPa·s]	Forms of delivery	Main uses and principal characteristics
W'Cryl A 1218	1,8	approx. 26	5.000-7.000	50 % in BA _c 98/100	High reactivity and long pot life. For fast drying wood and furniture lacquers. CAB compatible.
W'Cryl A 1220	2,0	approx. 26	1.000-2.000	60 % in BA _c 98/100	W'Cryl 1220 is an acrylate copolymer for the manufacture of high quality plastic coatings.
W'Cryl A 1320	2,0	approx. 26	2.000-3.000	50 % in BA _c 98/100	For high quality wood and furniture lacquers, good initial drying.
W'Cryl A 2116	1,6	approx. 47	2.000-2.500	60 % in arom. HC 155-180	For fast drying industrial paint with good gloss. Also for decorative paints - in combination with WorléeThix A 2125 - for effect finishes.
W'Cryl A 2210	1,0	approx. 47	17.000-22.000 6.000-10.000	60 % in arom. HC 155-180 60% in BA _c 98/100	For very fast drying primers and fillers with very good adhesion properties on different substrates. Also usable as a one component system.
W'Cryl A 2218	1,8	approx. 25	600-800 (23°C)	50 % in X/BA _c (9:1)	For air and forced drying 2 pack primers, fillers and top coats with excellent adhesion on steel, aluminium and zinc.
W'Cryl A 2230 W	3,0	50-55	max. 20.000	45 % in water / solvent blend	Water emulsified hydroxyacrylate for the production of exterior resistant isocyanate cross-linked two component top coats with outstanding drying properties, film hardness and gloss.
W'Cryl A 2241 W	4,1	50-55	max. 25.000	45 % in water / solvent blend	Water emulsified hydroxyacrylate for the production of isocyanate cross-linked exterior resistant two component top coats which exhibit long pot-life, high gloss and good adhesion properties.



WorléeCryl - Acrylic Resins, water based - emulsions, hydrosols, solutions

Name	Type	Non volat. content DIN EN ISO 3251 [%]	pH-Value DIN 53785	Density DIN 51757 [g/cm ³]	MFFT [°C]	Viscosity 20°C, del. form Brookfield, ISO 2555 [mPa·s]	Main uses and principal characteristics
W'Cryl 7107	methacrylic copolymer emulsion	40	7,2-8,0	1,07	> 95	max. 500	As mixing component W'Cryl 7107 is universally suitable for improving film hardness, sandability, blocking resistance and stackability.
W'Cryl 7120	styrene acrylic emulsion	49	8,2-9,0	1,09	15	200 - 800	Corrosion inhibiting primers on different metals (e.g. iron, aluminium), good weather resistance.
W'Cryl 7135	styrene acrylic emulsion	42	7,5-8,5	1,04	39	max. 1.000	Topcoats on metal, wood, plastics (PS, ABS). Also for temporary anti-corrosive primers on metal, can be combined with water thinnable alkyd resins.
W'Cryl 7137	styrene acrylic emulsion	42	7,5-8,5	1,04	28	max. 200	Allround emulsion for top coats on plastic, metal, wood and for corrosion inhibiting primers with very good adhesion on steel and low water absorption.
W'Cryl 7158	styrene acrylic emulsion	49	7,5-8,0	1,06	5	max. 500	Self-crosslinking styrene modified acrylic emulsion for primers with excellent results in corrosion protection tests.
W'Cryl 7189	methacrylic copolymer emulsion	49	7,0-8,0	1,08	16	max. 200	Flexible binder for wall paints, tiles and building adhesives. Fast setting, high initial adhesion, highly flexible.
W'Cryl 7407	pure acrylic	44	7,5-8,5	1,06	37	max. 500	Pure acrylic emuls. provides wood warming to clear furniture lacquers
W'Cryl 7410	pure acrylic	45	7,5-8,5	1,06	39	max. 500	Self-crosslinking acrylic polymer for the formulation of aqueous furniture lacquers with good resistance against household chemicals.
W'Cryl 7450	aqueous pure acrylic emulsion	45	7,0-8,0	1,06	0	max. 500	Good blocking stability, in combination with PU-dispersion wood, parquet lacquers and top coats for wood can be formulated.
W'Cryl 7461	aqueous pure acrylic emulsion	55	7,0-8,0	1,06	0	max. 500	Self-crosslinking pure acrylic emuls. with high solids content for formulating block-resistant, high gloss emulsion paints with very good levelling properties. Low VOC value in pigmented top coats, solvent free formulations are possible for glazings and colourless systems.
W'Cryl 7463	pure acrylic emulsion	55	7,0-8,0	1,06	13	max. 1000	Self-crosslinking pure acrylic emulsion for the formulation of blocking resistant, high gloss brushable paints with a low VOC-content.
W'Cryl 7510	styrene acrylic emulsion	50	7,5-8,5	1,05	20	2.000-5.000	For manufacturing dispersion paints for indoor application.

WorléeKyd - Alkyd Resins, solvent based, short oil, airdrying



Type	Oil [%]	Oil type	Phth. anhyd. [%]	Colour DIN ISO 4630, Gardner	Acid value DIN EN ISO 3682 [mgKOH/g]	Viscosity DIN EN ISO 2555 Pa.s 23°C	Forms of delivery	Main uses and principal characteristics
W'Kyd LH 3702	38	linseed and tung oil	25	max. 10 (40 % in dea-romat. HC 160-200)	max. 20	5-7	50% in dea-romat. HC 160-200	Air drying base and top coats with low aromate content.

WorléeKyd - Alkyd Resins, solvent based, medium oil, airdrying



Type	Oil [%]	Oil type	Phth. anhyd. [%]	Colour DIN ISO 4630, Gardner	Acid value DIN EN ISO 3682 [mgKOH/g]	Viscosity DIN EN ISO Pa.s 23°C	Forms of delivery	Main uses and principal characteristics
W'Kyd B 4901	49	cotton oil	24	max. 10 (40 % in dea-romat. HC 160-200)	max. 12	3-4	50 % in dea-romat. HC 160-200	Fast drying, for air and forced drying industrial,vehicle and machine paints as well as dea-romat. do-it yourself and radiator paints .
W'Kyd BS 5005	50	Special veg. fatty acids	15	max. 5 (50% in dea-romat. HC 160-200)	max. 15	15-16	80% in dea-romat HC 160-200	Low viscous, airdrying, silicone modified alkyd resin for industrial and house paints, low VOC.
W'Kyd BSA 4915	49	Special veg. fatty acids	-	max. 5 (60% in dea-romat. HC 160-200)	max. 12	2-3	80% in dea-romat. HC 160-200	Low viscous, airdrying, special modified alkyd resin with good resistance properties for industrial and house paints, low VOC.
W'Kyd S 351	51	soya oil	23	max. 10 (40 % in iso-paraffin. HC 170-200) max. 10 (40 % in dea-romat. HC 180-220)	max. 15	10-15 6,5-8,5	50 % in isoparaffin. HC 170-200 60 % in dea-romat. HC 180-220	White undercoatings, flat wall paints, semi gloss enamels with good flow properties .
W'Kyd S 5101	51	soya oil	23	max. 10 (40 % in dea-romat. HC 160-200) max.	max. 10	7-15	55 % in dea-romat. HC 160-200	Air drying fillers with intrinsic viscosity for brushing, primer surfacers and semi-gloss and flat wall paints



WorléeKyd - Alkyd Resins, long oil, urethane modified

Type	Oil [%]	Oil type	Phth. anhyd. [%]	Colour DIN ISO 4630, Gardner	Acid value DIN EN ISO 3682 [mgKOH/g]	Viscosity DIN EN ISO 2555 Pa.s 23°C	Forms of delivery	Main uses and principal characteristics
W'Kyd B 865 U	62	vegetable fatty acids	16	max. 10 (50 % in isoparafin. HC 170-200) max. 10 (50 % in dearomat. HC 180-220) max. 10 (50 % in dearomat. HC 160-200)	max. 10	0.5-1.5 0.5-1.5 1-2	55 % in isoparafin. HC 170-200 55 % in dearomat. HC 180-220 55 % in dearomat. HC 160-200	Urethane modified, for wood varnishes, floor coatings and industrial primers and top coats.
W'Kyd S 6003	60	soya oil fatty acid	19 16	max. 10 (40 % in dearomat. HC 160-200) max. 10 (delivery form)	max. 5	1.5-3 0.5-1.5	51 % in dearomat. HC 160-200 50 % in isoparafin. HC 150-180	Use as B 865 U with faster drying and harder film properties.
W'Kyd S 6003 hv	59	soya oil fatty acid	18	max. 10 (delivery form)	max. 5	1.5-3	50 % in dearomat. HC 160-200	Use as S 6003 with even faster drying.
W'Kyd T 6613	66	tall oil fatty acid		max. 10 (60 % in dearomat. HC 160-200)	max. 5	8-10	75% in dearomat. HC 160-200	Low viscous isocyanate modified long oil alkyd resin e.g. for high solid wood and clear coats, low VOC.
W'Kyd V 5241 U	81	linseed oil		max. 10 (delivery form)	max. 3	7-9	approx. 100 %	Low viscous, oil modified polyurethane for high solid environmentally friendly coating systems.



WorléeKyd - Alkyd Resins, long oil, airdrying

Type	Oil [%]	Oil type	Phth. anhyd. [%]	Colour DIN ISO 4630, Gardner	Acid value DIN EN ISO 3682 [mgKOH/g]	Viscosity DIN EN ISO 2555 Pa.s 23°C	Forms of delivery	Main uses and principal characteristics
W'Kyd B 870	69	special fatty acids	21	max. 10 (60 % in isoparafin. HC 170-200)	max. 15	5-6 (75 % in isoparafin. HC 170-200)	75 % in isoparafin. HC 170-200	House paints with good brushability, high film build, good flow and excellent gloss retention.
W'Kyd B 6301	64	special veg. fatty acids	19	max. 10 (70 % in dearomat. HC 180-220) max. 10 (70% in dearomat. HC 160-200)	max. 18	approx. 39 approx. 6	90 % in dearomat. HC 180-220 98-100 %	Low viscous, air drying long oil alkyd resin for decorative and house paints, Low VOC.
W'Kyd E 55	63	special fatty acids, urethane modified	17	max. 10 (60 % in ws 145-195) max. 10 (55% in dearomat. HC 160-200)	max. 10	23-24	70 % in ws 145-195 70% in dearomat. HC 160-200	In comb. with medium oil alkyds for high quality car repair finishes and industrial paints.
W'Kyd L 7904	79	linseed oil	18	max. 10 (delivery form)	max. 15	3-4	approx. 100%	High solid clear lacquers, wood glazings, and high solid primers.
W'Kyd L 8004	80	linseed oil		max. 10 (delivery form)	max. 15	2-3	98-100 %	Very low viscous alkyd resin for wood impregnation and wood glazings.
W'Kyd T 7313	73	special fatty acid		max. 10 (70 % in dearomat. HC 160-200)	max. 10	approx. 13	approx. 100%	Low viscous modified long oil alkyd resin for decorative and house paints, Low VOC.
W'Kyd T 7401	74	special fatty acids		max. 10 (80% in dearomat. HC 140-165)	max. 10	3-4	98-100%	Low viscous modified long oil alkyd resin for decorative and house paints, low VOC.

Alkyd Resins, solvent based, stoving/reactive/NC-combination



Type	Oil [%]	Oil type	Phth. anhyd. [%]	Colour DIN ISO 4630, Gardner	Acid value DIN EN ISO 3682 [mgKOH/g]	Viscosity DIN EN ISO 2555 Pa.s 23 °C	Forms of delivery	Main uses and principal characteristics
W'Kyd SH 380	38	special fatty acids	34	max. 10 (60 % in BAc)	max. 15	1.5-3	70 % in BAc 98/100	Acid catalysed finishes, fast curing with good elasticity and resistance, sufficient potlife. NC-compatible, isocyanate-curable.

WorléeThix

WorléeThix - Alkyd Resins, Acrylic Resins, solvent based, thixotropic



Type	Oil [%]	Oil type	Phth. anhyd. [%]	Colour DIN ISO 4630, Gardner	Acid value DIN EN ISO 3682 [mgKOH/g]	Viscosity, 20°C at Dmax=391/s DIN 53018, part 1 [mPa·s]	Forms of delivery	Main uses and principal characteristics
W'Thix V 727	63	special mixed fatty acids	23	max. 10 (del. form)	max. 15	3000-4000 (52% inws 180-210) 4000-6000 (52 % in isoparaffin. HC 170-200) 4.200-4.800 (52 % in dearomat. HC 180-220)	52 % in ws 180-210 52 % in isoparaffin. HC 170-200 52 % in dearomat. HC 180-220	Thixotropic long oil alkyd for semi gloss house paints, primers, wood stains and anticorrosive paints.
W'Thix V 747	64	special fatty acids	23	max. 7 (del. form)	max. 15	5000-7000 (52 % in isoparaffin. HC 170-200) 5000-7000 (52% dearomat. HC 180-220)	52 % in isoparaffin. HC 170-200 52 % in dearomat. HC 180-220	Thixotropic long oil alkyd for primers, mat wall and silk gloss paints and thixotropic glossy decorative and protective house paints.



WorléeSol - Alkyd Emulsions, water thinnable

Type	Oil [%]	Acid value DIN EN ISO 3682 [mgKOH/g]	pH-value DIN 53785	Viscosity 20°C, del.form Brookfield, ISO 2555 [mPa·s]	Forms of delivery	Main uses and principal characteristics
W'Sol E 150 W	44	max. 30	7,0-8,0	50-1.500	40 % in water	Solvent free alkyd emulsion for high gloss decorative and DIY paints.
W'Sol E 280 W	28	20-30	6,9-7,2	max. 10.000	38 % in water co-solvent free	Short oil coconut modified co-solvent free alkyd emulsion for non-yellowing paint systems.
W'Sol E 330 W	33	15-20	7,5-8,5	max. 10.000	42 % in water	Short oil alkyd emulsion for drier-free based anticorrosive primers and top coats.
W'Sol E 530 W	53	max. 38	7,0-8,5	max. 10.000	30 % in water	Medium oil alkyd emulsion for fast drying wood paints and lacquers.
W'Sol SE 420 W	42	max. 30	7,0-8,5	max. 5.000	40 % in water	Medium oil silicone modified co-solvent free alkyd emulsion for high gloss paint systems (also decorative) with excellent outdoor resistance.

WorléePur E



WorléePur – Polyurethane Dispersions, water soluble

Type	Oil [%]	Acid value DIN EN ISO 3682 [mgKOH/g]	pH-value DIN 53785	Viscosity 20°C, del.form Brookfield, ISO 2555 [mPa·s]	Forms of delivery	Main uses and principal characteristics
W'Pur E 927 W	28	max. 30	6,8-7,5	max. 10.000	40 % in water	Solvent free polyurethane dispersion, modified with fatty acid, for fast curing wood coatings off all types (also drier-free).

WorléePol



WorléePol - Polyester, water thinnable, oil free, saturated

Type	Acid value DIN EN ISO 3682 [mgKOH/g]	Colour DIN ISO 4630, Gardner	OH-content on solids [%]	Density DIN 51757 [g/cm³]	Viscosity 20 °C, del.form DIN 53015 [mPa·s]	Forms of delivery	Main uses and principal characteristics
W'Pol 808	max. 25	max. 3 (del.form)	approx. 7	1,20	15.000-25.000 (25 °C)	100 %	Low viscous, with high reactivity. For amine free water based stoving paints on metal, aluminium foil, paper and plastics. Also suitable for printing inks.
W'Pol V 450	max. 15	max. 3 (del.form)	approx. 8,5	1,18	500-700 (25 °C)	90 % in water	Similar to WorléePol 808 but higher reactivity, better stability, higher water tolerance and lower viscosity. Also suitable for printing inks.



WorléePol - Polyester/ether-polyols, solvent free, saturated

Type	Viscosity 23°C, del.form DIN 53015 [mPa·s]	OH-value DIN EN ISO 4629 [mgKOH/g]	Acid value DIN EN ISO 3682 [mgKOH/g]	Water content DIN 51777,part 1 Karl Fischer [%]	Density DIN 51757 [g/cm³]	Main uses and principal characteristics
W'Pol 165	3.000-4.000	150-170	max. 2	max. 0,2	1,01	Low viscous and solvent free branched polyol with ester and ether groups. Mainly used for the formulation of solvent free coatings, sealings and adhesives in combination with modified polyisocyanates.
W'Pol 230	2.500-3.500	220-240	max. 2	max. 0,2	1,01	Low viscous and solvent free branched polyol with ester and ether groups. Mainly used for the formulation of solvent free coatings, sealings and adhesives in combination with modified polyisocyanates.

WorléePol - Polyester, solvent based, saturated



Type	OH-content on solids [%]	Viscosity DIN EN ISO 2555 Pa.s 23 °C	Acid value DIN EN ISO 3682 [mgKOH/g]	Colour DIN ISO 4630, Gardner	Forms of delivery	Main uses and principal characteristics
W'Pol 6631	8,0	14-15	max. 3	max. 3	67 % in methoxy propyl acetate	Saturated, fatty acid modified type for air drying 2 pack PU coatings.
W'Pol 6741	4,1	10.000-20.000 mPa.s (del.form, Brookfield, ISO 2555)		max. 2	80% in BAc	Saturated, hydroxy functional polyester resin for the manufacture of solvent based "ultra high solids" 2 component PUR systems.
W'Pol 6756	5,6	20.000-50.000 mPa.s (del.form, Brookfield, ISO 2555)		max. 2	78% in BAc	Saturated, hydroxy functional polyester resin for the manufacture of solvent based "ultra high solids" 2 component PUR systems for industrial and car repair coatings with good mechanical properties and excellent chemical and weather resistance

Special-Primer

Special-Primer - Adhesion Promoters



Type	Appearance	Forms of delivery	Application	Main uses and principal characteristics
Special-Primer AP 1010	white (pigmented)	4 % in xylene	undiluted: spraying, dipping, rolling, printing	Adhesion promoter for EPDM, PP and blends of these as used for the automotive industry for spoilers, bumpers, dashboards etc. for subsequent painting, printing, sticking, metallising and coating. Special-Primer AP 1010 can be used in aerosol cans.
Special-Primer AP 1030	white (pigmented)	4 % in xylene	undiluted: spraying, dipping, flow coating, rolling, printing	Adhesion promoter for EPDM, PP and blends of these as used for the automotive industry for spoilers, bumpers, dashboards etc. for subsequent painting, printing, sticking, metallising and coating.
Special-Primer PE 6800	colourless-yellowish, clear	5 % in xylene	application as 2,5 % solution	Adhesion promoter for untreated polyethylene for subsequent coating or printing.
Special-Primer PP 3200 W	brownish, turbid liquid	30 % in water	application diluted with water to 10 % solids content by spraying, dipping or printing	Aqueous adhesion promoter based on especially modified, low chlorinated polypropylene for PP, PE and polyolefinic blends.
Special-Primer PP 4400 W	low viscous beige/cream-coloured liquid	40 % in water	application diluted with water to 10 % solids content by spraying, dipping or printing	Chlorine-free primer and adhesion promoter based on special modified polypropylene used for polypropylene and polyolefinic blends.
Special-Primer PP 5130	colourless-yellowish, clear	2,5 % in xylene 5,0 % in xylene 10,0 % in xylene	application as 2,5 % solution	Adhesion promoter for untreated polypropylene for subsequent painting, printing, sticking, metallising, coating. Batteries, packaging film, heels, toys, foils etc..
Special-Primer PP 7550	colourless-yellowish, clear	5 % in xylene	application as 2,5 % solution	Same as PP 5130, with improved adhesion promotion on different PP substrates and aluminium.
Special-Primer PP 7560	colourless-yellowish, clear	10 % in xylene	application as 2,5% solution	Same as PP 5130, with improved adhesion promotion on different PP substrates and aluminium.
Special-Primer PP 7580	colourless-yellowish, clear	2,5 % in xylene	application as 2,5 % solution	Adhesion promoter for untreated polypropylene for subsequent painting, printing, sticking, metallising, coating. For batteries, heels, toys, foils, garden furniture etc.. Best adhesion properties.
Special-Primer PP 8100	clear-slightly turbid, yellowish liquid	10 % in xylene	usually undiluted: spraying, dipping etc.	Chlorine-free primer, especially for polypropylene, PP/EPDM and thermoplastic rubber.
Special-Primer PP 8200	clear-slightly turbid, yellowish liquid	10 % in xylene	usually undiluted: spraying, dipping, etc.	Chlorine-free primer, especially for polypropylene, PP/EPDM and thermoplastic rubber as well as aluminium. Very elastic.



WorléeAdd - Additives for paints and lacquers

Type	Appearance	Forms of delivery	Addition (calc. on total form.)	Main uses and principal characteristics
W'Add 311, 10 % W'Add 311, 30 %	clear to slightly turbid, low viscous liquids	10 % in xylene 30 % in xylene	0,1-1,0 % 0,03-0,3 %	Silicone based, for paints, lacquers and leather finishes. Improve mar resistance, slip, flow, gloss, reduce foaming, pinholing and orange peel.
W'Add 312	clear, low viscous liquid	10 % in isoparaffin. HC 170-200	0,1-1,0 %	Silicone based additive, especially for decorative paints. Eliminates cell structure and brush marks, improves flow, mar resistance and slip. Specially designed for aromatic free decorative paints.
W'Add 315	colourless liquid	10 % in iso-propanol	0,5-1,0 %	For water and solvent based paints, improving mar resistance and slip, flow and gloss. Recoatable.
W'Add 327	clear, low viscous liquid	20 % in iso-propanol	0,1-1,5 %	Silicone based, mainly for water thinnable lacquers and paints, improves wetting of plastic and aluminium substrates, increases mar resistance and slip, avoids cratering.
W'Add 330 W'Add 333	clear, low viscous liquids	10 % in butyl glycol (WA 330) 10 % in water (WA 333)	0,3-0,5 % (WA 330) 0,3-0,5 % (WA 333)	Silicone based, reduce surface tension of water thinnable systems, improve levelling, reduce edge pulling, eliminate surface imperfections.
W'Add 335	clear to slightly turbid liquid	50 % in butyl glycol	0,1-0,3 %	Silicone additive to improve substrate wetting and levelling, also to increase slip, used in solvent based and aqueous paints and lacquers including polyester gelcoats.
W'Add 340	clear to slightly hazy, yellowish liquid	100 %	0,1-1,0 %	Non-ionic, especially modified silicone polyether for substrate wetting of aqueous systems on difficult substrates.
W'Add 342	clear to slightly hazy, yellow coloured liquid	60 % in dipropylene glycol monomethyl ether	0,1-1,0 %	Excellent substrate wetting additive for aqueous systems, reduces surface tension, low tendency to stabilize foam.
W'Add 345	clear to slightly turbid yellowish liquid	71 % in solvent blend/water	0,3-1,5 %	Excellent wetting agent to reduce surface tension, to replace wetting problems on low energy substrates and to improve penetration on absorbent substrates.
W'Add 351	turby, creamy liquid	70 % in water / butyl glycol	0,5-1,0 %	High molecular silicone additive to improve slip, mar resistance and antiblocking, for aqueous systems.
W'Add 352	turby, creamy liquid	70 % in water / 1,2-propylen glycol 17,5:12,5	0,5-3,0 %	High molecular silicone additive to improve slip, mar resistance and antiblocking, for aqueous systems.
W'Add 412	transparent liquid	65 % in water	0,5-1,0 %	Solvent free compatibility agent for easier incorporation of driers into water based alkyd emulsion paints.
W'Add 422	slightly yellowish liquid	50 % in iso-propanol / methoxy prop.	0,2-0,8 %	Cationic surface active additive for increasing the conductivity of electrostatic sprayable paint systems, low addition.
W'Add 425	clear, yellowish liquid	80 % in cyclo-hexanone	0,2-1,0 %	Silicone free additive, imparts an equal structure to coil coatings which contains wax. Improves degassing, reduces popping, also for clear coats.
W'Add 428	clear liquid	10 % in solvent blend	3,0-6,0 %	Silicone free additive for structured coil coatings without wax addition. Has to be added to the primer or base coat. Improves degassing.
W'Add 430	red brown viscous liquid	min. 98 %	different , depending on pigment surface	Wetting and dispersing agent for solvent based systems, improves also adhesion as well as anticorrosion properties on corresponding metal surfaces.
W'Add 486	colourless to yellowish liquid	75 % in solvent blend	1,0-3,0 %	Special adhesion promoter for solvent based systems for air drying and oven cured systems.
W'Add 781	clear, medium viscous liquid	solvent free	0,08-2,0 %	Silicone free additive for solvent based, solvent free and water based systems to improve levelling, flexibility and adhesion. 2 component-PUR-coatings of high film thickness show reduced blistering.
W'Add V 832	transparent liquid	18 % +/- 1 in xylene / MPA	0,5-2,0 %	Silicone based additive mainly for isocyanate cured lacquers and paints based on polyester and acrylic resins.

WorléeAdd - Defoamers for paints, lacquers and special applications



Type	Appearance	Forms of delivery	Addition (calc. on total form.)	Main uses and principal characteristics
W'Add 371	colourless liquid	1 % in MPA	0,1-1,0 %	Silicone based, highly effective antifoam and deairing additive for solvent based and high solid coatings. Good recoatability.
W'Add 372	colourless liquid	5 % in MPA	0,05-0,8 %	Silicone based, highly effective antifoam and deairing additive for solvent based and high solid coatings. Good recoatability.
W'Add 373 N	colourless liquid	3 % in isoparaffin. HC 150-180	0,1-0,5 %	Silicone based additive for the defoaming of solvent based air and stoving paints.
W'Add 602	clear liquid	1,3 % in isoparaffin. HC 170-200	0,4-2,0 %	Antifoam agent mainly for 2 comp.-PU and EP-coatings.
W'Add 603	clear liquid	13,2 % in isoparaffin. HC	0,2-1,5 %	Polyacrylate modified silicone defoamer for solvent based and solvent free coatings of different compositions, approved under FDA regulation 175.300.
W'Add 635	clear-slightly turbid, yellowish liquid	8,5 % +/- 1 non volatile content, DIN EN ISO 3251, 1h, 125°C	0,5-2,0 %	Most efficient polyacrylate modified silicone defoamer for solvent based and solvent free coatings of different composition.
W'Add 636	low viscous liquid	16 % in isoparaffin. HC 170-200/xylene 49:35	0,2-3,0 %	Silicone based antifoam agent and defoamer for non aqueous systems including solvent free PU coatings.
W'Add 677	clear to slightly yellowish liquid	20 % in hydrocarbons, aromatic free	0,05-0,6 %	Silicone free antifoam and defoaming additive for solvent based and solvent free formulations of different composition.
W'Add 678	clear liquid	10 % in solvent blend	1,0-3,0 %	Silicone free antifoam agent and defoamer mainly for solvent based and solvent free 2 comp.-PU coatings.

WorléeAdd - Defoamers for water based systems



Type	Appearance	Activity	Density DIN 51757 [g/cm³]	Addition (calc. on total form.)	Main uses and principal characteristics
W'Add 604 N	low viscous liquid	25 %	0,86	1,0-4,0 %	Silicone containing defoamer and antifoam additive mainly for water thinnable wood and parquet lacquers, wall paints etc. based on acrylic emulsions.
W'Add 614	clear liquid	25 %	0,858	0,5-3,0 %	Silicone based, APEO free defoaming solution for water based systems of different composition.
W'Add 624	clear liquid	25 %	0,960	0,5-3,0 %	Silicone based, aromatic and APEO free defoaming solution for water based systems of different composition.
W'Add W 623	milky liquid	100 %	0,85	0,1-0,5 %	Silicone free, highly effective mineral oil based defoamer and antifoam agent for water based wall paints.
W'Add W 633	yellowish turbid liquid	100 %	1,013	0,1-0,5 %	Silicone and APEO free defoaming agent for water based systems of different composition. Specially recommended for 2 pack-PUR coatings and paints based on alkyd emulsions.
W'Add W 644	milky liquid	100 %	0,98	0,1-0,5 %	Mineral oil based defoamer and antifoam agent, very low silicone content, for different aqueous systems.
W'Add W 646	milky liquid	100 %	0,84	0,1-1,0 %	Silicone and aromatic free, mineral oil based defoamer and antifoam agent. Also excellent for printing inks.

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The information as laid down in this publication is based on our careful researches and examinations and is passed on with the best of our knowledge. It only serves for the purpose of information of our clients, but does not relieve our clients of their own responsibility to examine these specified products regarding the suitability for the intended processes and purposes, and the risk of violation of intellectual property rights of third parties.



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