



PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
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Special Epoxy resins

SE-SERIES	Special epoxy resins for paints, inks, coatings, adhesives, composites and optical/electronic applications	Different epoxy backbones available like: biphenol, bisphenol-S, bisphenol-F, dicyclopenta-diene, fluorene-bisphenol, phenylphenol, novolac,... Different properties like : flame-retardant, crystalline types, low water absorption, high purity, very low chlorine content, high Tg, low Dk/Df values, low viscosity, low/high refractive-index,...
SE-300P	low viscosity, high purity (low chlorine), amine type epoxy resin, for various applications such as adhesives, laminating systems, special coatings, composites...	3-epoxy-functional resin (aromatic), with good adhesion, heat resistance, flame retardant, low viscosity, high TG. Hydrolysable Chloride: max.1'000 ppm, 1'000 mPas (25°C), EEW ~100 (g/eq)
SE-7500M80	Inorganic/organic hybrid resin for special extreme performance paints and coatings. For curing with amines (aromatic/aliphatic) or cationic photoinitiators.	Hybrid-Resin with an inorganic silsesquioxane (SSQ) cage and organic epoxy-cyclohexyl groups attached at the corners. Extreme resistances: like scratch-resistance (up to 9H), chemical resistance, temperature resistance and a very low coefficient of thermal expansion. Viscosity: 1'000 mPas (25°C), contains 20% MEK (Methylethylketone)

Fluorine and silicone modified urethane-acrylates (anti-fingerprint, anti-graffiti, easy-to-clean, anti-fouling, optical-films)

SFA-001	UV-curable, fluoroacrylate, reactive monomer / diluent to incorporate other SFA-type resins (for better compatibility)	Mono-functional, 20 mPas (25°C), low RI: 1.351
SFA-335	UV-curable, fluorinated urethane-acrylate for optical applications and surface-modifications	2-functional, 450 mPas (25°C), very low RI: 1.334
SFA-380		2-functional, 10'000 mPas (60°C), very low RI: 1.378



PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
SFA-420	UV-curable, fluorinated urethane-acrylate for best anti-fingerprint and anti-graffiti and high performance coatings, good chemical resistance	6-functional, 40'000 mPas (60°C), RI: 1.419
SFA-480	UV-curable, fluorinated urethane-acrylate for best anti-fingerprint and anti-graffiti and high performance coatings, good chemical resistance - lower viscosity	6-functional, 12'000 mPas (60°C), RI: 1.478
SUO-S3000	UV-curable, silicone-modified, aliphatic urethane-acrylate for high-slip coatings, anti-fingerprint, anti-graffiti and release coatings	2-functional, 25'000 mPas, good temperature resistance
SUO-S600NM		6-functional, 12'000 mPas (50°C), best slip-effect

DUAL CURE epoxy functional & urethane-acrylate resin - NEW

SEA-H187AI	Epoxy & acrylate functional resin with excellent mechanical properties, adhesion and reactivity, for UV- & amine curing, for sealants and (electronic) adhesives	Diacrylat & mono-epoxy, 5'000 mPas (60°C)
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DUAL CURE hydroxy functional urethane-acrylate resins

SUO-1611H	OH- & acrylate functional resin with good adhesion and chemical resistance, for UV- & NCO-curing, for (electronic) adhesives and optical filmcoatings	Aliphatisch, mono-acrylat & mono OH-funktionell, 20'000 mPas (25°C), OH-Zahl: 49
SUO-1621H	OH- & acrylate functional resin with good adhesion and better flexibility, for UV- & NCO-curing, for (electronic) adhesives and optical filmcoatings	Aliphatisch, mono-acrylat & mono OH-funktionell, 110'000 mPas (25°C), OH-Zahl: 27



PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
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DUAL CURE isocyanate functional urethane-acrylate resins

SUO-1811N	NCO- & acrylate functional resin with very high NCO value, high reactivity and hardness, for UV- & OH-curing, tack-free after UV-curing, with increased adhesion on plastics, metals and hard woods	aliphatic, mono-acrylate, 7'700 mPas (25°C), NCO-content: 17,9%
SUO-1821N	NCO- & acrylate functional resin with low NCO value, for UV- & OH-curing, higher Mw, with good flexibility and adhesion on plastics	aliphatic, mono-acrylate, 40'000 mPas (60°C), NCO-content: 2.6%
SUO-1831N	NCO- & acrylate functional resin with high NCO value, high reactivity, good adhesion on plastics, metals and hard woods, for UV- & OH-curing, tack-free after UV-curing, with good hardness and chemical resistance	aliphatic, mono-acrylate, 28'000 mPas (25°C), NCO-content: 11.8%
SUO-1841N	NCO- & acrylate functional resin with high NCO value, high reactivity, good adhesion on plastics, metals and hard woods, for UV- & OH-curing, tack-free after UV-curing	aliphatic, 1.5-acrylate functional, 75'000 mPas (25°C), NCO-content: 8%
SUO-1881N	NCO- & acrylate functional resin with very high NCO value, good adhesion on plastics, metals and hard woods with increased flexibility and better hardness, for UV- & OH-curing, tack-free after UV-curing	aliphatic, mono-acrylate, 20'000 mPas (25°C), NCO-content: 13.13%
SUO-1881NH40		aliphatic, mono-acrylate, 250 mPas (25°C), NCO-content: 13.13%, diluted in 40%HDDA
SUO-2126N	NCO- & acrylate functional resin with low NCO value, higher Mw, excellent adhesion, flexibility and elongation, for UV- & OH-curing	aliphatic, mono-acrylate, 35'000 mPas (25°C), NCO-content: 0.66% softer type compared to SUO-18xxx types
SUO-7301N	NCO- & acrylate functional resin with higher NCO value, higher Mw, excellent reactivity and also flexibility and adhesion, for UV- & OH-curing	aliphatic, di-acrylate, 9'000 mPas (25°C), NCO-content: 3.25% softer type compared to SUO-18xxx types



PRODUCTNAME

APPLICATIONS

SPECIAL FEATURES

SOFT-type UV-urethane acrylates (mono/di-functional)

SUO-2371	UV-curable, aliphatic urethane acrylate with good adhesion and flexibility for coatings and paints	mono-functional, 40'000 mPas (25°C), Tg: -50°C
SUO-2126	UV-curable, aliphatic urethane acrylate with good adhesion, flexibility and low shrink for coatings and paints	mono-functional, 15'000 mPas (25°C), Tg: -52°C
SUO-210	UV-curable, aliphatic urethane acrylate with good adhesion, very good flexibility and elasticity/toughness	2-functional, 9'000 mPas (25°C), Tg: 12°C
SUO-1020NI	UV-curable, polycarbonate-polyol based urethane acrylate with good transparency for display/film coatings, industrial coatings and paints with good chemical and heat resistance	2-functional, 10'000 mPas (60°C), Tg: 50°C
SUO-1020NI TF NEW	Tin-free version of SUO-1020NI	
SUO-2172	UV-curable, polyether-polyol based urethane acrylate with good adhesion, reactivity and levelling for adhesives, display/film coatings	2-functional, 15'000 mPas (25°C), Tg: -50°C, elastomeric
SUO-3110H20	UV-curable, polyether-polyol based urethane acrylate with (rubber-like) soft-feel effect and good adhesion for paints, inks,	2-functional, 500 mPas (25°C), high elongation, diluted with 40% Butylacetate
SUO-3110B60	film coatings and adhesives	2-functional, 45'000 mPas (25°C), high elongation, diluted with 20% HDDA

... for more SOFT-type urethane-acrylates, see also under super flexible UV-resins



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HARD-type UV-urethane acrylates (multifunctional)

SUO-7620	UV-curable, aliphatic urethane-acrylate, well balanced flexible and hard urethane acrylate for scratch resistant hard surface coatings (good adhesion on PET, PMMA and PC)	6-functional, 25'000 mPas at 25°C (750 mPas, 60°C), Tg: 60°C
SUO-7620TF NEW	Tin-free version of SUO-7620	
SUO-7630	UV-curable, aliphatic urethane-acrylate, well balanced flexible and hard urethane acrylate for scratch resistant hard surface coatings, slightly lower Mw compared to SUO-7620 thus slightly less flexible (good adhesion on PET, PMMA and PC)	6-functional, 6'000 mPas (50°C), Tg: 55°C
SUO-7640	UV-curable, aliphatic urethane-acrylate, high hardness (good adhesion on PET, PMMA and PC)	6-functional, 6'000 mPas (50°C), Tg: 80°C
SUO-7650	UV-curable, aliphatic urethane-acrylate, for hard coatings with high gloss (good adhesion on PET, PMMA and PC)	6-functional, 12'000 mPas (50°C), Tg: 88°C
SUO-7690 NEW	UV-curable, aliphatic urethane acrylate, for hard coatings and reactivity boost. Low shrinkage, good solvent resistance, high abrasion resistance and good adhesion to PET, PMMA and PC. Also used for scratch resistant soft-touch coatings (when pre-cured with UV-excimer lamp)	Hexafunctional, 50'000 mPas (25°C), Tg: 49°C
SUO-1206H20	UV-curable, aliphatic urethane-acrylate, improved flexibility and chemical resistance, for paints, special coatings and for film coatings (good adhesion on PET, PMMA and PC)	6-functional, 70'000 mPas (50°C), Tg: 80°C, diluted with 20% HDDA
SUO-7910	UV-curable, aliphatic urethane-acrylate, high hardness, good scratch resistance (good adhesion on PET, PMMA and PC)	9-functional, 9'000 mPas (60°C), Tg: 87°C



PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
SUO-7920	UV-curable, aliphatic urethane-acrylate, high hardness, good scratch resistance and heat resistance (good adhesion on PET, PMMA and PC)	9-functional, 55'000 mPas (25°C)
SUO-7100LC	UV-curable, aliphatic urethane-acrylate, excellent hardness, scratch resistance with still some flexibility (good adhesion on PET, PMMA and PC)	10-functional, 10'000 mPas (50°C)
SUO-7100LV	UV-curable, aliphatic urethane-acrylate, for hard surface coatings with very good scratch and chemical resistance, also used as reactivity booster (good adhesion on PET, PMMA and PC)	10-functional, 9'000 mPas (50°C), Tg: 60°C
SUO-1500E NEW	UV-curable, aliphatic urethane acrylate, for hard coatings and reactivity boost. Low shrinkage, good solvent resistance, high abrasion resistance and good adhesion to PET, PMMA and PC. Also used for scratch resistant soft-touch coatings (when pre-cured with UV-excimer lamp)	15-functional, 25'000 mPas (25°C), Tg: 46° Not brittle, with some elongation properties.

Polybutadiene modified urethane acrylates

SUO-H8155	UV-curable, hydrogenated polybutadiene based, aliphatic urethane-acrylate for barrier-coatings (water-damp, solvents, acids, alkalines), non-yellowing, with good hydrolytic stability, transparency and adhesion, for UV-sealants, pressure sensitive adhesives and optical clear adhesives (colourless appearance), very good glas/glas and PET/PET adhesion	mono-functional, 30'000 mPas (60°C), Tg: -20°C
SUO-8130	UV-curable, polybutadiene based, aliphatic urethane-acrylate for barrier-coatings (water-damp, solvents, acids, alkalines), with good hydrolytic stability, transparency, good electrical insulation properties, thermic stability and adhesion, for pressure sensitive adhesives, optical clear adhesives and industrial adhesives (slightly yellow appearance)	2-functional, 25'000 mPas (60°C), Tg: -32°C



PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
SUO-H8130	UV-curable, hydrogenated polybutadiene based, aliphatic urethane-acrylate for barrier-coatings (water-damp, solvents, acids, alkalines), non-yellowing, with good hydrolytic stability, transparency, good electrical insulation properties, thermic stability and adhesion, for pressure sensitive adhesives, optical clear adhesives and industrial adhesives (colourless appearance)	2-functional, 45'000 mPas (65°C), Tg: -36°C
SUO-8628	UV-curable, polybutadiene based, aliphatic urethane-acrylate for barrier-coatings (water-damp, solvents, acids, alkalines), with good hydrolytic stability, transparency, good electrical insulation properties, thermic stability and adhesion, for pressure sensitive adhesives, optical clear adhesives and industrial adhesives (slightly yellow appearance)	2-functional, 18'000 mPas (25°C), Tg: -34°C
SUO-H8628	UV-curable, hydrogenated polybutadiene based, aliphatic urethane-acrylate for barrier-coatings (water-damp, solvents, acids, alkalines), non-yellowing, with good hydrolytic stability, transparency, good electrical insulation properties, thermic stability and adhesion, for pressure sensitive adhesives, optical clear adhesives and industrial adhesives (colourless appearance)	2-functional, 30'000 mPas (25°C), Tg: -38°C

UV-Selfhealing (self-recovery) and SOFT-FEEL / SOFT-TOUCH resins

UA-222	UV-curable, self-healing/self-recovery, aromatic urethane acrylate with good adhesion to metals, glass and plastics	2-functional, 6'500 mPas (25°C), Tg: 3°C
SUO-7301	UV-curable, self-healing/self-recovery, aliphatic urethane acrylate for micro-scratches (1/10 mm), with good adhesion to metals, glass and plastics, remarkable soft-feel / soft-touch effect (even with low coating thickness)	2-functional, 7'500 mPas (25°C), Tg: 19°C



PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
SUO-4130	UV-curable, aliphatic urethane acrylate, with high elongation, soft-feel / soft-touch (rubber-type) and very good adhesion to metals, glass and plastics	2-functional, 30'000 mPas (60°C), Tg: -25°C
SUO-4130TF NEW	Tin-free version of SUO-4130	
SUO-3110B60	UV-curable, polyether-polyol based urethane acrylate with (rubber-like) soft-feel effect, good adhesion and good elongation, for paints, inks, film coatings and adhesives	2-functional, 500 mPas (25°C), high elongation, diluted with 40% Butylacetate
SUO-3110H20		2-functional, 45'000 mPas (25°C), high elongation, diluted with 20% HDDA
SUO-3213P70	UV-curable, aliphatic urethane acrylate with excellent elastic recovery (self-healing), good adhesion and good elongation, for soft-feel paints/inks, film coatings and adhesives	2-functional, 20'000 mPas (50°C), diluted with 30% PGMEA (propyleneglycol-monomethylether-acetate)
SUO-300	UV-curable, self-healing/self-recovery, aliphatic urethane acrylate for micro-scratches (µm), very good adhesion to metals, glass and plastics, can also be added as adhesion promoter to existing formulations	3-functional, 40'000 mPas (25°C), Tg = 7°C

Super flexible UV-resins

SUO-2371	UV-curable, super flexible, aliphatic urethane acrylate with very low Tg, for special coatings and adhesives	mono-functional, 50'000 mPas (25°C), Tg: -50°C, elongation: 350%
SUO-2172	UV-curable, polyether-polyol based urethane acrylate with good adhesion, reactivity and levelling for adhesives, display/film coatings	2-functional, 15'000 mPas (25°C), Tg: -50°C, elastomeric
SUO-9103E10	UV-curable, super flexible, aliphatic urethane acrylate with very low Tg, for special coatings and adhesives	di-functional, 25'000 mPas (60°C), Tg: -56°C, elongation: >1'000%, diluted in 10% 2-EHA



PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
SUO-H7000	UV-curable, highly flexible, aliphatic urethane acrylate, with good adhesion on plastics and films, non-yellowing	di-functional, 50'000 mPas (25°C), Tg: -55°C, high elongation
SUO-M2000	UV-curable, super flexible, aliphatic urethane acrylate with good adhesion on glass even when exposed to humidity	di-functional, 30'000 mPas (25°C), Tg: -53°C, high elongation
SUO-3110B60	UV-curable, polyether-polyol based urethane acrylate with (rubber-like) soft-feel effect and good adhesion for paints, inks, film coatings and adhesives	2-functional, 500 mPas (25°C), high elongation, diluted with 40% Butylacetate
SUO-3110H20		2-functional, 45'000 mPas (25°C), high elongation, diluted with 20% HDDA

Adhesion resins and additives

SAM-C100 (ADDITIVE)	UV-curable additive, carboxylic acid based, adhesion promoter for very good adhesion on metals and inorganic substrates (lower acid value and higher dosage compared to SAM-HS100)	mono-acrylate functional, 4'000 mPas (25°C), acid value: 200
SAM-HS200 (ADDITIVE) NEW	UV-curable additive, phosphoric acid based adhesion promoter for very good adhesion on metals and inorganic substrates (higher acid value and lower dosage compared to SAM-C100)	di-methacrylate functional, 2'000 mPas (25°C), acid value: 300
SUO-2172	UV-curable, polyether-polyol based urethane acrylate with good adhesion, reactivity and levelling for adhesives, display/film coatings	2-functional, 15'000 mPas (25°C), Tg: -50°C, elastomeric
SUO-4130	UV-curable, aliphatic urethane acrylate, with high elongation, soft-feel / soft-touch (rubber-type) and very good adhesion to metals, glass and plastics	2-functional, 30'000 mPas (60°C), Tg: -25°C
SUO-4130TF NEW	Tin-free version of SUO-4130	
SUO-9103E10	UV-curable, super flexible, aliphatic urethane acrylate with very low Tg, for special coatings and adhesives	2-functional, 25'000 mPas (60°C), Tg: -56°C, elongation: >1'000%, diluted in 10% 2-EHA



PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
SUO-H7000	UV-curable, highly flexible, aliphatic urethane acrylate, with good adhesion on plastics and films, non-yellowing	2-functional, 50'000 mPas (25°C), Tg: -55°C, high elongation
SUO-300	UV-curable, self-healing/self-recovery, aliphatic urethane acrylate for micro-scratches (µm), very good adhesion to metals, glass and plastics, can also be added as adhesion promoter to existing formulations	3-functional, 40'000 mPas (25°C), Tg = 7°C

Epoxy acrylate (BPZ)

SEA-Z250	UV-curable, bisphenol-Z based epoxy acrylate with excellent heat resistance, hardness and chemical resistance for electronic coatings, adhesives and industrial paints	2-functional, 30'000 mPas (60°C), Tg: 49 °C
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Polyaspartic-Resins

POLYGONAL ASP-4	<ul style="list-style-type: none"> - Aminofunctional co-reactant for polyisocyanates - 2K PU systems like for example: industrial coatings, construction coatings, anti-corrosion coatings, ... - (ultra)-high-solid formulations 	<ul style="list-style-type: none"> - Diethylfumarate-free (FADEE-free) - Very good adhesion on metals (as one coat application) - Amine value: 195 – 205 mg KOH/g - Amine equivalent weight: approx.276 g/mol - Viscosity: 700 – 1'800 mPas
POLYGONAL ASP-5	<ul style="list-style-type: none"> - Aminofunctional co-reactant for polyisocyanates - 2K PU systems like for example: industrial coatings, construction coatings, anti-corrosion coatings, ... - (ultra)-high-solid formulations 	<ul style="list-style-type: none"> - Diethylfumarate-free (FADEE-free) - Very good adhesion on metals (as one coat application) - Amine value: 185 – 195 mg KOH/g - Amine equivalent weight: approx.290g/mol - Viscosity: 700 – 2'000 mPas



PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
POLYGONAL ASP-28	<ul style="list-style-type: none"> - Reactive diluent - Low viscosity, aminofunctional co-reactant for polyisocyanates - 2K PU systems like for example: industrial coatings, construction coatings, anti-corrosion coatings, ... - (ultra)-high-solid formulations 	<ul style="list-style-type: none"> - Diethylfumarate-free (FADEE-free) - Very good adhesion on metals (as one coat application) - Amine value: 170 – 210 mg KOH/g - Amine equivalent weight: approx.290 g/mol - Viscosity: 60 – 140 mPas
POLYGONAL ASP-51	<ul style="list-style-type: none"> - Diluted version of POLYGONAL ASP-5 - contains 10% butylacetate 	<ul style="list-style-type: none"> - Diethylfumarate-free (FADEE-free) - Very good adhesion on metals (as one coat application) - Amine value: 164 – 178 mg KOH/g - Amine equivalent weight: approx.326 g/mol - Viscosity: 100 – 250 mPas

SKYBON® high molecular-weight copolyesters - NEW

<p>SKYBON® EH – SERIES</p> <p>Tradename of SK-CHEMICALS</p> <p>Hotmelt polyester resins</p>	<p>Crystalline, hot-melt type copolymers for:</p> <ul style="list-style-type: none"> - hot-melt adhesives - heat-seal lacquers - laminating films (extrudable) - heat-transfer films - labels - food packaging - can seams - automotive filters 	<ul style="list-style-type: none"> - strong adhesion to various substrates such as fabrics, metal, paper - excellent chemical resistance - no VOC - excellent heat-seal properties - several grades with food-approval available - extrudable resins
<p>SKYBON® EM – SERIES</p> <p>Tradename of SK-CHEMICALS</p> <p>Aqueous polyester dispersions</p>	<p>Polyester-dispersions for water-based:</p> <ul style="list-style-type: none"> - coatings - adhesives - inks - can be used to enhance properties of other water-based binders like acrylic-latex or polyurethane-dispersions 	<ul style="list-style-type: none"> - excellent adhesion on plastics and metals - contains no emulsifiers (self-emulsifying high molecular-weight polyester) - therefore outstanding water-resistance - excellent «low-VOC» alternative to solvent-borne systems - low viscosity at high solid-content - very good flexibility and adhesion - amine-free and ammonia-free



PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
<p>SKYBON® ES – SERIES Tradename of SK-CHEMICALS Solvent-borne polyester resins</p>	<p>Amorphous, solvent-type copolymers for:</p> <ul style="list-style-type: none"> - can- and coil-coating - industrial-coatings - printing inks - functional coatings - high performance adhesives - flexible packagings 	<ul style="list-style-type: none"> - Soluble in a wide range of solvents, such as: ethylacetate, methylethylketone, 2-ethoxyethylacetate, propyleneglycol-monomethyl-etheracetate, cyclohexanone, ethyleneglycol-monobutylether, solvent-nafta(S-100, S-150), dibasic ester, xylene or toluene - several grades with food-approval available - superior flexibility - excellent adhesion on various substrate such as steel, PET, PVC film - good transparency and hardness
<p>SKYBON® EW – SERIES Tradename of SK-CHEMICALS Water-borne polyester resins</p>	<p>Water dispersible, amorphous polymers for:</p> <ul style="list-style-type: none"> - textile sizing - water-based coatings - water-based adhesives 	<ul style="list-style-type: none"> - outstanding water dispersibility - superior adhesion on general materials - amine-free and ammonia-free