## Special Epoxy resins

<table>
<thead>
<tr>
<th>PRODUCTNAME</th>
<th>APPLICATIONS</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>SE-SERIE</strong></td>
<td>Special epoxy resins for paints, inks, coatings, adhesives, composites and optical/electronic applications</td>
<td>Different epoxy backbones available like: biphenol, bisphenol-S, bisphenol-F, dicyclopentadiene, fluorene-bisphenol, phenylphenol, novolac,... Different properties like : flame-retardant, crystalline types, low water absorption, high purity, very low chlorine content, high Tg, low Dk/Dk values, low viscosity, low/high refractive-index,...</td>
</tr>
<tr>
<td><strong>SE-300P</strong></td>
<td>low viscosity, high purity (low chlorine), amine type epoxy resin, for various applications such as adhesives, laminating systems, special coatings, composites,...</td>
<td>3-epoxy-functional resin (aromatic), with good adhesion, heat resistance, flame retardant, low viscosity, high TG. Hydrolisable Chloride: max.1'000 ppm, 1'000 mPas (25°C), EEW ~100 (g/eq)</td>
</tr>
<tr>
<td><strong>SE-7500M80</strong></td>
<td>Inorganic/organic hybrid resin for special extreme performance paints and coatings. For curing with amines (aromatic/aliphatic) or cationic photoinitiators.</td>
<td>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)</td>
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## Fluorine and silicone modified urethane-acrylates (anti-fingerprint, anti-graffiti, easy-to-clean, anti-fouling, optical-films)

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<tbody>
<tr>
<td><strong>SFA-001</strong></td>
<td>UV-curable, fluoroacrylate, reactive monomer / diluent to incorporate other SFA-type resins (for better compatibility)</td>
<td>Mono-functional, 20 mPas (25°C), low RI: 1.351</td>
</tr>
<tr>
<td><strong>SFA-335</strong></td>
<td>UV-curable, fluorinated urethane-acrylate for optical applications and surface-modifications</td>
<td>2-functional, 450 mPas (25°C), very low RI: 1.334</td>
</tr>
<tr>
<td><strong>SFA-380</strong></td>
<td></td>
<td>2-functional, 10'000 mPas (60°C), very low RI: 1.378</td>
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<tbody>
<tr>
<td>SFA-420</td>
<td>UV-curable, fluorinated urethane-acrylate for best anti-fingerprint and anti-graffiti and high performance coatings, good chemical resistance</td>
<td>6-functional, 40'000 mPas (60°C), RI: 1.419</td>
</tr>
<tr>
<td>SFA-480</td>
<td>UV-curable, fluorinated urethane-acrylate for best anti-fingerprint and anti-graffiti and high performance coatings, good chemical resistance - lower viscosity</td>
<td>6-functional, 12'000 mPas (60°C), RI: 1.478</td>
</tr>
<tr>
<td>SUO-S3000</td>
<td>UV-curable, silicone-modified, aliphatic urethane-acrylate for high-slip coatings, anti-fingerprint, anti-graffiti and release coatings</td>
<td>2-functional, 25'000 mPas, good temperature resistance</td>
</tr>
<tr>
<td>SUO-S600NM</td>
<td></td>
<td>6-functional, 12'000 mPas (50°C), best slip-effect</td>
</tr>
<tr>
<td>SUO-F5500</td>
<td>UV-curable, silicone and fluoride modified, aliphatic urethane-acrylate for anti-graffiti, higher slip and easy-to-clean effects; with better compatibility</td>
<td>6-functional, 13'000 mPas (50°C), high water-contact-angle</td>
</tr>
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**DUAL-CURE epoxy functional & urethane-acrylate resin - NEW**

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<tbody>
<tr>
<td>SEA-H187AI</td>
<td>Epoxy &amp; acrylate functional resin with excellent mechanical properties, adhesion and reactivity, for UV- &amp; amine curing, for sealants and (electronic) adhesives</td>
<td>Diacrylat &amp; mono-epoxy, 5’000 mPas (60°C)</td>
</tr>
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**DUAL-CURE hydroxy functional urethane-acrylate resins**

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<tbody>
<tr>
<td>SUO-1611H</td>
<td>OH- &amp; acrylate functional resin with good adhesion and chemical resistance, for UV- &amp; NCO-curing, for (electronic) adhesives and optical filmcoatings</td>
<td>Aliphatisch, mono-acrylat &amp; mono OH-funktionell, 20’000 mPas (25°C), OH-Zahl: 49</td>
</tr>
</tbody>
</table>
### Resins

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<tr>
<td>SUO-1621H</td>
<td>OH- &amp; acrylate functional resin with good adhesion and better flexibility, for UV- &amp; NCO-curing, for (electronic) adhesives and optical filmcoatings</td>
<td>Aliphatisch, mono-acrylat &amp; mono OH-funktionell, 110'000 mPas (25°C), OH-Zahl: 27</td>
</tr>
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**DUAL-CURE isocyanate functional urethane-acrylatel resins**

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<tbody>
<tr>
<td>SUO-1811N</td>
<td>NCO- &amp; acrylate functional resin with very high NCO value, high reactivity and hardness, for UV- &amp; OH-curing, tack-free after UV-curing, with increased adhesion on plastics, metals and hard woods</td>
<td>aliphatic, mono-acrylate, 7'700 mPas (25°C), NCO-content: 17.9%</td>
</tr>
<tr>
<td>SUO-1821N</td>
<td>NCO- &amp; acrylate functional resin with low NCO value, for UV- &amp; OH-curing, higher Mw, with good flexibility and adhesion on plastics</td>
<td>aliphatic, mono-acrylate, 40’000 mPas (60°C), NCO-content: 2.6%</td>
</tr>
<tr>
<td>SUO-1831N</td>
<td>NCO- &amp; acrylate functional resin with high NCO value, high reactivity, good adhesion on plastics, metals and hard woods, for UV- &amp; OH-curing, tack-free after UV-curing, with good hardness and chemical resistance</td>
<td>aliphatic, mono-acrylate, 28’000 mPas (25°C), NCO-content: 11.8%</td>
</tr>
<tr>
<td>SUO-1841N</td>
<td>NCO- &amp; acrylate functional resin with high NCO value, high reactivity, good adhesion on plastics, metals and hard woods, for UV- &amp; OH-curing, tack-free after UV-curing</td>
<td>aliphatic, 1.5-acrylate functional, 75’000 mPas (25°C), NCO-content: 8%</td>
</tr>
<tr>
<td>SUO-1881N</td>
<td>NCO- &amp; acrylate functional resin with very high NCO value, good adhesion on plastics, metals and hard woods with increased flexibility and better hardness, for UV- &amp; OH-curing, tack-free after UV-curing</td>
<td>aliphatic, mono-acrylate, 20’000 mPas (25°C), NCO-content: 13.13%</td>
</tr>
<tr>
<td>SUO-1881NH40</td>
<td>NCO- &amp; acrylate functional resin with low NCO value, higher Mw, excellent adhesion, flexibility and elongation, for UV- &amp; OH-curing</td>
<td>aliphatic, mono-acrylate, 250 mPas (25°C), NCO-content: 13.13%, diluted in 40%HDDA</td>
</tr>
<tr>
<td>SUO-2126N</td>
<td>NCO- &amp; acrylate functional resin with low NCO value, higher Mw, excellent adhesion, flexibility and elongation, for UV- &amp; OH-curing</td>
<td>aliphatic, mono-acrylate, 35’000 mPas (25°C), NCO-content: 0.66%</td>
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<tr>
<td>SUO-7301N</td>
<td>NCO- &amp; acrylate functional resin with higher NCO value, higher Mw, excellent reactivity and also flexibility and adhesion, for UV- &amp; OH-curing</td>
<td>aliphatic, di-acrylate, 9’000 mPas (25°C), NCO-content: 3.25%</td>
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**SOFT-type UV-urethane acrylates (mono/di-functional) - NEW**

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<tbody>
<tr>
<td>SUO-2371</td>
<td>UV-curable, aliphatic urethane acrylate with good adhesion and flexibility for coatings and paints</td>
<td>mono-functional, 40’000 mPas (25°C), Tg: -50°C</td>
</tr>
<tr>
<td>SUO-2126</td>
<td>UV-curable, aliphatic urethane acrylate with good adhesion, flexibility and low shrink for coatings and paints</td>
<td>mono-functional, 15’000 mPas (25°C), Tg: -52°C</td>
</tr>
<tr>
<td>SUO-210</td>
<td>UV-curable, aliphatic urethane acrylate with good adhesion, very good flexibility and elasticity/toughness</td>
<td>2-functional, 9’000 mPas (25°C), Tg: 12°C</td>
</tr>
<tr>
<td>SUO-1020NI</td>
<td>UV-curable, polycarbonate-polyol based urethane acrylate with good transparency for display/film coatings, industrial coatings and paints with good chemical and heat resistance</td>
<td>2-functional, 10’000 mPas (60°C), Tg: 50°C</td>
</tr>
<tr>
<td>SUO-2172</td>
<td>UV-curable, polyether-polyol based urethane acrylate with good adhesion, reactivity and levelling for adhesives, display/film coatings</td>
<td>2-functional,15’000 mPas (25°C), Tg: -50°C, elastomeric</td>
</tr>
<tr>
<td>SUO-3110H20</td>
<td>UV-curable, polyether-polyol based urethane acrylate with (rubber-like) soft-feel effect and good adhesion for paints, inks, film coatings and adhesives</td>
<td>2-functional, 500 mPas (25°C), high elongation, diluted with 40% Butylacetate</td>
</tr>
<tr>
<td>SUO-3110B60</td>
<td>2-functional, 45’000 mPas (25°C), high elongation, diluted with 20% HDDA</td>
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... for more SOFT-type urethane-acrylates, see also under super flexible UV-resins
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<tr>
<td>SUO-7620</td>
<td>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)</td>
<td>6-functional, 25'000 mPas at 25°C (750 mPas, 60°C), Tg: 60°C</td>
</tr>
<tr>
<td>SUO-7620TF</td>
<td>Tin-free version of SUO-7620</td>
<td>6-functional, 25'000 mPas at 25°C (750 mPas, 60°C), Tg: 60°C</td>
</tr>
<tr>
<td>SUO-7630</td>
<td>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)</td>
<td>6-functional, 6'000 mPas (50°C), Tg: 55°C</td>
</tr>
<tr>
<td>SUO-7640</td>
<td>UV-curable, aliphatic urethane-acrylate, high hardness (good adhesion on PET, PMMA and PC)</td>
<td>6-functional, 6'000 mPas (50°C), Tg: 80°C</td>
</tr>
<tr>
<td>SUO-7650</td>
<td>UV-curable, aliphatic urethane-acrylate, for hard coatings with high gloss (good adhesion on PET, PMMA and PC)</td>
<td>6-functional, 12'000 mPas (50°C), Tg: 88°C</td>
</tr>
<tr>
<td>SUO-1206H20</td>
<td>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)</td>
<td>6-functional, 70'000 mPas (50°C), Tg: 80°C, diluted with 20% HDDA</td>
</tr>
<tr>
<td>SUO-7910</td>
<td>UV-curable, aliphatic urethane-acrylate, high hardness, good scratch resistance (good adhesion on PET, PMMA and PC)</td>
<td>9-functional, 9'000 mPas (60°C), Tg: 87°C</td>
</tr>
<tr>
<td>SUO-7920</td>
<td>UV-curable, aliphatic urethane-acrylate, high hardness, good scratch resistance and heat resistance (good adhesion on PET, PMMA and PC)</td>
<td>9-functional, 55'000 mPas (25°C)</td>
</tr>
<tr>
<td>SUO-7100LC</td>
<td>UV-curable, aliphatic urethane-acrylate, excellent hardness, scratch resistance with still some flexibility (good adhesion on PET, PMMA and PC)</td>
<td>10-functional, 10'000 mPas (50°C)</td>
</tr>
<tr>
<td>PRODUCTNAME</td>
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<tr>
<td>SUO-7100LV</td>
<td>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)</td>
<td>10-functional, 9'000 mPas (50°C), Tg: 60°C</td>
</tr>
<tr>
<td>SUO-1500E</td>
<td>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), lower viscosity compared to SUO-7100LC</td>
<td>10-functional, 6'000 mPas (50°C), Tg: 50°C</td>
</tr>
<tr>
<td>SUO-H8155</td>
<td>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 glass/glass and PET/PET adhesion</td>
<td>mono-functional, 30'000 mPas (60°C), Tg: -20°C</td>
</tr>
<tr>
<td>SUO-8130</td>
<td>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)</td>
<td>2-functional, 25'000 mPas (60°C), Tg: -32°C</td>
</tr>
<tr>
<td>SUO-H8130</td>
<td>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)</td>
<td>2-functional, 45'000 mPas (65°C), Tg: -36°C</td>
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<tr>
<td>SUO-8628</td>
<td>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)</td>
<td>2-functional, 18'000 mPas (25°C), Tg: -34°C</td>
</tr>
<tr>
<td>SUO-H8628</td>
<td>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)</td>
<td>2-functional, 30'000 mPas (25°C), Tg: -38°C</td>
</tr>
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**UV-Selfhealing (self-recovery) and SOFT-FEEL / SOFT-TOUCH resins**

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<tr>
<td>UA-222</td>
<td>UV-curable, self-healing/self-recovery, aromatic urethane acrylate with good adhesion to metals, glass and plastics</td>
<td>2-functional, 6'500 mPas (25°C), Tg: 3°C</td>
</tr>
<tr>
<td>SUO-7301</td>
<td>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)</td>
<td>2-functional, 7'500 mPas (25°C), Tg: 19°C</td>
</tr>
<tr>
<td>SUO-4130</td>
<td>UV-curable, aliphatic urethane acrylate, with high elongation, soft-feel / soft-touch (rubber-type) and very good adhesion to metals, glass and plastics</td>
<td>2-functional, 30'000 mPas (60°C), Tg: -25°C</td>
</tr>
<tr>
<td>SUO-4130TF</td>
<td>Tin-free version of SUO-4130</td>
<td>2-functional, 30'000 mPas (60°C), Tg: -25°C</td>
</tr>
<tr>
<td>SUO-3110B60</td>
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<td>2-functional, 500 mPas (25°C), high elongation, diluted with 40% Butylacetate</td>
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<tr>
<td>SUO-3110H20</td>
<td>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</td>
<td>2-functional, 45'000 mPas (25°C), high elongation, diluted with 20% HDDA</td>
</tr>
<tr>
<td>SUO-3213P70</td>
<td>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</td>
<td>2-functional, 20'000 mPas (50°C), diluted with 30% PGMEA (propyleneglycol-monomethylether-acetate)</td>
</tr>
<tr>
<td>SUO-300</td>
<td>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</td>
<td>3-functional, 40'000 mPas (25°C), Tg = 7°C</td>
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**Super flexible UV-resins**

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<tr>
<td>SUO-2371</td>
<td>UV-curable, super flexible, aliphatic urethane acrylate with very low Tg, for special coatings and adhesives</td>
<td>mono-functional, 50'000 mPas (25°C), Tg: -50°C, elongation: 350%</td>
</tr>
<tr>
<td>SUO-2172</td>
<td>UV-curable, polyether-polyol based urethane acrylate with good adhesion, reactivity and levelling for adhesives, display/film coatings</td>
<td>2-functional, 15'000 mPas (25°C), Tg: -50°C, elastomeric</td>
</tr>
<tr>
<td>SUO-9103E10</td>
<td>UV-curable, super flexible, aliphatic urethane acrylate with very low Tg, for special coatings and adhesives</td>
<td>di-functional, 25'000 mPas (60°C), Tg: -56°C, elongation: &gt;1'000%, diluted in 10% 2-EHA</td>
</tr>
<tr>
<td>SUO-9103I20</td>
<td>UV-curable, super flexible, aliphatic urethane acrylate with very low Tg, for special coatings and adhesives</td>
<td>di-functional, 27'000 mPas (60°C), Tg: -54°C, elongation: &gt;1'000%, diluted in 20% IBOA</td>
</tr>
<tr>
<td>SUO-H7000</td>
<td>UV-curable, highly flexible, aliphatic urethane acrylate, with good adhesion on plastics and films, non-yellowing</td>
<td>di-functional, 50'000 mPas (25°C), Tg: -55°C, high elongation</td>
</tr>
<tr>
<td>SUO-M2000</td>
<td>UV-curable, super flexible, aliphatic urethane acrylate with good adhesion on glass even when exposed to humidity</td>
<td>di-functional, 30'000 mPas (25°C), Tg: -53°C, high elongation</td>
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<tr>
<td>SUO-3110B60</td>
<td>UV-curable, polyether-polyol based urethane acrylate with (rubber-like) soft-feel effect and good adhesion for paints, inks, film coatings and adhesives</td>
<td>2-functional, 500 mPas (25°C), high elongation, diluted with 40% Butylacetate</td>
</tr>
<tr>
<td>SUO-3110H20</td>
<td></td>
<td>2-functional, 45'000 mPas (25°C), high elongation, diluted with 20% HDDA</td>
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Adhesion resins and additives

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<tbody>
<tr>
<td>SAM-C100 (ADDITIV)</td>
<td>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)</td>
<td>mono-functional, 4'500 mPas (25°C), acid value: 200</td>
</tr>
<tr>
<td>SAM-HS100 (ADDITIV)</td>
<td>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)</td>
<td>1,5-functional, 6'500 mPas (25°C), acid value: 300</td>
</tr>
<tr>
<td>SUO-2172</td>
<td>UV-curable, polyether-polyol based urethane acrylate with good adhesion, reactivity and levelling for adhesives, display/film coatings</td>
<td>2-functional, 15'000 mPas (25°C), Tg: -50°C, elastomeric</td>
</tr>
<tr>
<td>SUO-4130</td>
<td>UV-curable, aliphatic urethane acrylate, with high elongation, soft-feel / soft-touch (rubber-type) and very good adhesion to metals, glass and plastics</td>
<td>2-functional, 30'000 mPas (60°C), Tg: -25°C</td>
</tr>
<tr>
<td>SUO-4130TF</td>
<td>Tin-free version of SUO-4130</td>
<td>2-functional, 30'000 mPas (60°C), Tg: -25°C</td>
</tr>
<tr>
<td>SUO-9103E10</td>
<td>UV-curable, super flexible, aliphatic urethane acrylate with very low Tg, for special coatings and adhesives</td>
<td>2-functional, 25'000 mPas (60°C), Tg: -56°C, elongation: &gt;1'000%, diluted in 10% 2-EHA</td>
</tr>
<tr>
<td>SUO-H7000</td>
<td>UV-curable, highly flexible, aliphatic urethane acrylate, with good adhesion on plastics and films, non-yellowing</td>
<td>2-functional, 50'000 mPas (25°C), Tg: -55°C, high elongation</td>
</tr>
</tbody>
</table>
## Resins

<table>
<thead>
<tr>
<th>PRODUCTNAME</th>
<th>APPLICATIONS</th>
<th>SPECIAL FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUO-300</td>
<td>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</td>
<td>3-functional, 40'000 mPas (25°C), Tg = 7°C</td>
</tr>
<tr>
<td>SEA-Z250</td>
<td>UV-curable, bisphenol-Z based epoxy acrylate with excellent heat resistance, hardness and chemical resistance for electronic coatings, adhesives and industrial paints</td>
<td>2-functional, 30'000 mPas (60°C), Tg: 49 °C</td>
</tr>
</tbody>
</table>
| POLYGONAL ASP-4 | - Aminofunctional co-reactant for polyisocyanates  
                     - 2K PU systems like for example: industrial coatings, construction coatings, anti-corrosion coatings, ...  
                     - (ultra)-high-solid formulations | - Diethylfumarate-free (FADEE-free)  
                     - Very good adhesion on metals (as one coat application, without epoxy primer)  
                     - Amine value: 195 – 205 mg KOH/g  
                     - Amine equivalent weight: approx.276 g/mol  
                     - Viscosity: 700 – 1’800 mPas |
| POLYGONAL ASP-5 | - Aminofunctional co-reactant for polyisocyanates  
                     - 2K PU systems like for example: industrial coatings, construction coatings, anti-corrosion coatings, ...  
                     - (ultra)-high-solid formulations | - Diethylfumarate-free (FADEE-free)  
                     - Very good adhesion on metals (as one coat application, without epoxy primer)  
                     - Amine value: 185 – 195 mg KOH/g  
                     - Amine equivalent weight: approx.290g/mol  
                     - Viscosity: 700 – 2’000 mPas |
| POLYGONAL ASP-51 | - Diluted version of POLYGONAL ASP-5  
                         - contains 10% butylacetate | - Diethylfumarate-free (FADEE-free)  
                         - Very good adhesion on metals (as one coat application, without epoxy primer)  
                         - Amine value: 164 – 178 mg KOH/g  
                         - Amine equivalent weight: approx.326 g/mol  
                         - Viscosity: 100 – 250 mPas |

The product list is not complete. The information given here does not release their examination.
## Fluorinated Resins - NEW

<table>
<thead>
<tr>
<th>PRODUCTNAME</th>
<th>APPLICATIONS</th>
<th>SPECIAL FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POLYGONAL FEVE-P56</strong></td>
<td><strong>Powder</strong></td>
<td>- solvent soluble fluoropolymer powder</td>
</tr>
<tr>
<td><strong>NEW</strong></td>
<td>Fluorethylene-vinylether (FEVE) based, high performance resin for 2K systems (NCO-curing)</td>
<td>- OH-functional for 2K curing with polyisocyanates</td>
</tr>
<tr>
<td></td>
<td>High performance</td>
<td>- APEO-free (alkylphenol-ethoxylates)</td>
</tr>
<tr>
<td></td>
<td>industrial coating and weather resistant outdoor applications such as architectural coatings, anti-corrosion coatings, protective coatings, coatings on metals (especially on aluminum) and plastics and multipurpose coatings.</td>
<td>- very good outdoor weatherability</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- yellowing resistance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- rapid drying</td>
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<tr>
<td></td>
<td></td>
<td>- high gloss</td>
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<tr>
<td></td>
<td></td>
<td>- very good adhesion on aluminum</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- metallic pigment orientation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- impact resistance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- excellent chemical resistance and long durability</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- soluble in xylene, methylethylketone, methylamylketone, butylacetate or SOLVESSO®100</td>
</tr>
</tbody>
</table>

| **POLYGONAL FEVE-E50**  | **50% Emulsion in water**  | - water thinnable fluoropolymer emulsion  |
| **NEW**          | Fluorethylene-vinylether (FEVE) based, high performance resin for 2K systems (NCO-curing) | - OH-functional for 2K curing with polyisocyanates  |
|                  | High performance  | - very good outdoor weatherability  |
|                  | industrial coating and weather resistant outdoor applications such as architectural coatings, anti-corrosion coatings, protective coatings, coatings on metals (especially on aluminum) and plastics and multipurpose coatings. | - yellowing resistance  |
|                  |              | - rapid drying  |
|                  |              | - high gloss  |
|                  |              | - very good adhesion on aluminum  |
|                  |              | - metallic pigment orientation  |
|                  |              | - impact resistance  |
|                  |              | - excellent chemical resistance and long durability  |

The product list is not complete. The information given here does not release their examination.
# Resins

<table>
<thead>
<tr>
<th>PRODUCTNAME</th>
<th>APPLICATIONS</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Acrylic-polyol resins - NEW</td>
<td>2 K systems with polyisocyanate curing</td>
<td>- rapid drying</td>
</tr>
<tr>
<td>POLYGONAL APO-66</td>
<td>- vehicle refinish</td>
<td>- adhesion (incl. interlayer)</td>
</tr>
<tr>
<td>NEW</td>
<td>- metal coatings</td>
<td>- durability</td>
</tr>
<tr>
<td></td>
<td>- plastic coatings</td>
<td>- metallic pigment orientation</td>
</tr>
<tr>
<td></td>
<td>- wood coatings</td>
<td>- excellent compatibility with CAB and NC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- OH-value: 66 mg KOH/g solid</td>
</tr>
<tr>
<td>POLYGONAL APO-86</td>
<td>2 K systems with polyisocyanate curing</td>
<td>- fast drying</td>
</tr>
<tr>
<td>NEW</td>
<td>- plastic coatings</td>
<td>- adhesion</td>
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<tr>
<td></td>
<td></td>
<td>- impact resistance</td>
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<td></td>
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<td>- levelling</td>
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<td></td>
<td>- gloss</td>
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<tr>
<td></td>
<td></td>
<td>- excellent pot-life</td>
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<tr>
<td></td>
<td></td>
<td>- OH-value: 86 mg KOH/g solid</td>
</tr>
<tr>
<td>POLYGONAL APO-140</td>
<td>2 K systems with polyisocyanate curing</td>
<td>- universal use</td>
</tr>
<tr>
<td>NEW</td>
<td>- vehicle refinish</td>
<td>- durability</td>
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<td></td>
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<td>- levelling</td>
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<td></td>
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<td>- colour retention</td>
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<tr>
<td></td>
<td></td>
<td>- acid resistance</td>
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<tr>
<td></td>
<td></td>
<td>- OH-value: 140 mg KOH/g solid</td>
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<tr>
<td>POLYGONAL APO-150</td>
<td>2 K systems with polyisocyanate curing</td>
<td>- rapid drying</td>
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<tr>
<td>NEW</td>
<td>- vehicle refinish</td>
<td>- gloss</td>
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<tr>
<td></td>
<td></td>
<td>- hardness</td>
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<td>- mechanical properties</td>
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<td></td>
<td>- chemical resistance</td>
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<td></td>
<td></td>
<td>- excellent pot-life</td>
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<tr>
<td></td>
<td></td>
<td>- OH-value: 150 mg KOH/g solid</td>
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</tbody>
</table>

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<tr>
<th>PRODUCT NAME</th>
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<th>SPECIAL FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLYGONAL APO-HS70</td>
<td>2 K systems with polyisocyanate curing</td>
<td>- high solid</td>
</tr>
<tr>
<td>NEW</td>
<td>- multipurpose coatings</td>
<td>- gloss</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- adhesion</td>
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<td></td>
<td></td>
<td>- durability</td>
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<td></td>
<td></td>
<td>- excellent pot-life</td>
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<tr>
<td></td>
<td></td>
<td>- OH-value: 70 mg KOH/g solid</td>
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<tr>
<td>POLYGONAL APO-HS240</td>
<td>2 K systems with polyisocyanate curing</td>
<td>- high solid</td>
</tr>
<tr>
<td>NEW</td>
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<td>- gloss</td>
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<tr>
<td></td>
<td>- multipurpose coatings</td>
<td>- film formation</td>
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<td></td>
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<td>- good flexibility</td>
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<td>- weather resistance’</td>
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<td></td>
<td>- chemical resistance</td>
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<td>- excellent salt spray resistance</td>
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<tr>
<td></td>
<td></td>
<td>- OH-value: 240 mg KOH/g solid</td>
</tr>
</tbody>
</table>