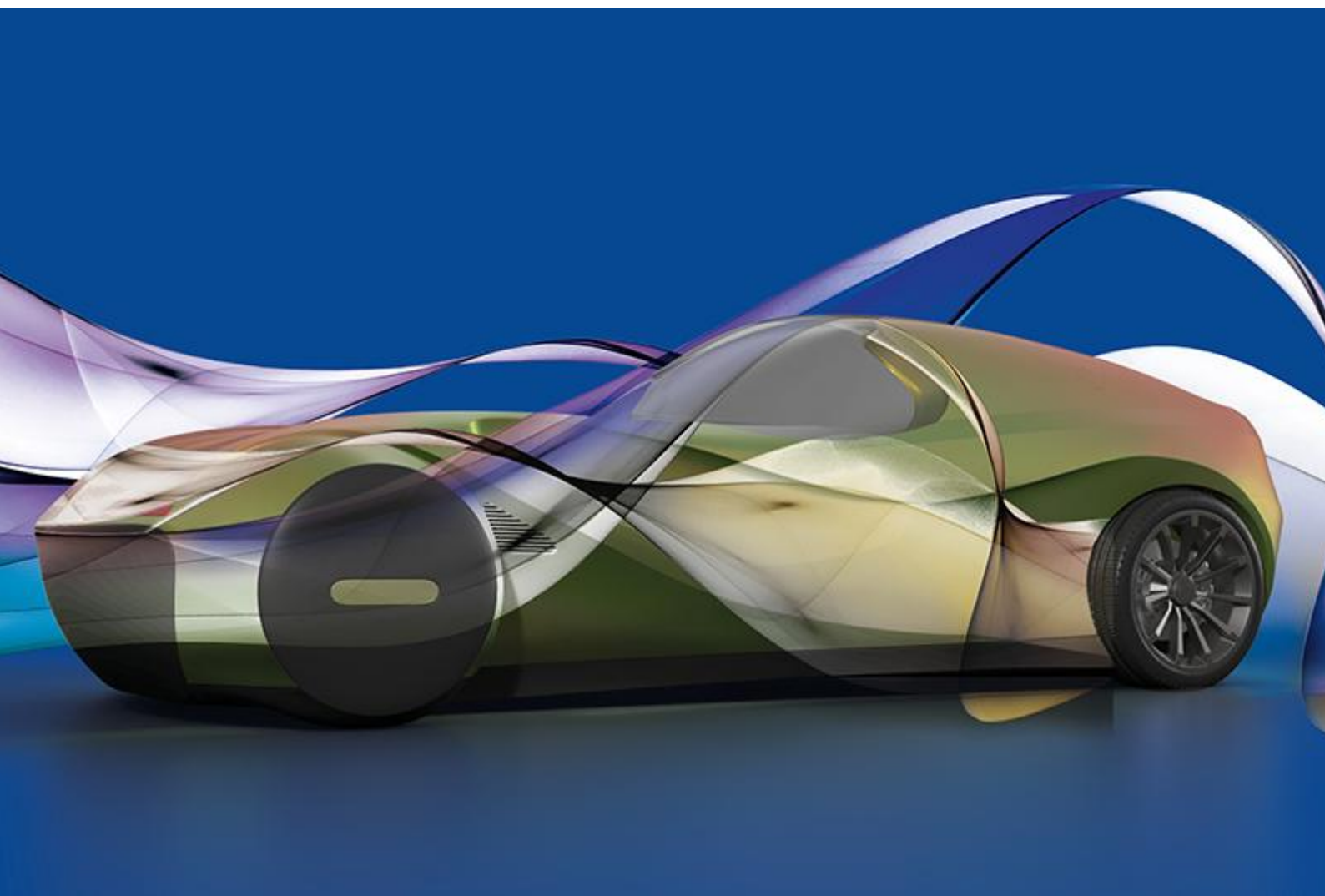




# WATERBORNE POLYESTER RESINS



**VARALite**  
WATERBORNE POLYESTER INNOVATIONS

TECHNOLOGY FOR A SAFER TOMORROW

## VaraLite; WATERBORNE SATURATED POLYESTER RESINS

| Product       | Supply Form [%]                                    | Viscosity [mPa.s]/23°C | Acid Value [mgKOH/g] | OH-Value [mg KOH/g] | Description                                                                                                                                                                                                                                                             |
|---------------|----------------------------------------------------|------------------------|----------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>W 1091</b> | 80 in butylglycol                                  | 45.000-70.000          | 45-60                | 142                 | Branched saturated polyester resin for waterborne industrial, automotive stoving systems.                                                                                                                                                                               |
| <b>W 1094</b> | 40 Water / butylglycol (2.1%)                      | max. 20.000            | 48-58                | 122                 | Branched saturated polyester resin for waterborne industrial stoving primers, fillers and topcoats with low VOC. pH=7.5-8.5, very reactive.                                                                                                                             |
| <b>W 2251</b> | 70 in water / butylglycol                          | 2.700 – 3.500          | 50-58                | 100                 | Automotive coatings, 1 K-primers.                                                                                                                                                                                                                                       |
| <b>W 2255</b> | 65 in butylglycol / water                          | 7.500 –17.500          | 40-60                | 115                 | General industry, stoving enamels for interior and exterior use primers and topcoats and automotive coatings; primer surfacer, clearcoat and topcoat., gloss level, flexibility, outdoor durability and stone chip resistance.                                          |
| <b>W 2259</b> | 68 in water / DMEA                                 | 2.700 – 3.500          | 45 - 50              | 115                 | Waterborne saturated polyester for topcoats and primers., overback resistance, adhesion to aluminium and phosphated steel with outdoor durability and overbake resistance.                                                                                              |
| <b>W 2260</b> | 65 in butylglycol                                  | 7.000–11.000           | 57 - 63              | 40                  | Acrylic modified water dilutable saturated polyester resin for water dilutable resin for can and coil coatings, exterior white basecoat and overprint varnish for beer and beverage cans and coil coating primer with flexibility, reactivity and good physical drying. |
| <b>W 2261</b> | 65 in water / butylglycol / dimethyl ethanol amine | 10.000-25.000          | 40-50                | 115                 | Acrylic modified water dilutable saturated polyester resin for water dilutable resin for stoving enamels for interior and exterior use, gloss level, flexibility and outdoor durability.                                                                                |
| <b>W 2249</b> | 80 in butylglycol                                  | 45.000-70.000          | 50 - 55              | 40                  | Acrylic modified, waterborne saturated polyester for automotive topcoat and primers.                                                                                                                                                                                    |
| <b>W 2254</b> | 50 in butylglycol / water                          | 7.000–11.000           | 50 - 55              | 40                  | Acrylic modified, water-borne saturated polyester for topcoats and primers.                                                                                                                                                                                             |
| <b>W 2253</b> | 50 in butylglycol / water                          | 900 – 1.400            | 45 - 50              | 105                 | Automotive OEM coating, interior/exterior coatings.                                                                                                                                                                                                                     |
| <b>W 2270</b> | 70 In butylglycol/ water                           | 9.000 -15.000          | 30 - 38              | -                   | In combination with water-thinnable amino resins in the formulation of industrial stoving coatings and aqueous stoving primer surfacers for online automotive finishing, both with a low co-solvent content.                                                            |



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WATERBORNE  
POLYESTER

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| Product       | Supply Form [%]                           | Viscosity [mPa.s]/23°C | Acid Value [mgKOH/g] | OH-Value [mg KOH/g] | Description                                                                                                                                                                                                                                                                                                                            |
|---------------|-------------------------------------------|------------------------|----------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>W 1241</b> | solvent-free                              | 4.000-6.000            | max. 2               | -                   | VaraLite W 1241 PU is a highly reactive, low viscous polyester resin for the manufacture of solventbased and waterbased 2-component PUR systems showing high elasticity, surface hardness and high chemicals resistance.                                                                                                               |
| <b>W 1450</b> | 90 Water                                  | 500 - 700              | max. 15              | 280                 | VaraLite W 1450 is a water thinnable, low viscous, high reactive polyester resin without amine addition. Main applications are acid curing oven cured coatings for paper and wood decoration foils.                                                                                                                                    |
| <b>W 1808</b> | solvent-free                              | 15.000 – 25.000        | max. 25              | -                   | VaraLite W 1808 is a highly reactive, low viscous polyester, which is partially water thinnable without addition of amines. In combination with suitable amino resins VaraLite W 1808 serves as a plastification compound in water thinnable, acid curing or stoving finishes for paper, foils etc.                                    |
| <b>W 2250</b> | 40 in butylglycol / ethoxy propanol/water | 2.000 – 9.000          | 50 – 55              | 40                  | Acrylic modified water dilutable saturated polyester. For general industrial, semigloss stoving enamels and can coating, water dilutable can coatings, white basecoat for beer and beverage cans and coil primers.                                                                                                                     |
| <b>W 2253</b> | 50 in water / butylglycol                 | 900 – 1400             | -                    | 120                 | Waterborne saturated polyester for topcoats and primers., overback resistance, adhesion to aluminium and phosphated steel with outdoor durability and overbake resistance. General industrial, semigloss stoving enamels and automotive: - stone chip resistant primer surfacer (also on SMC) Can coating: Interior/exterior coatings. |
| <b>W 2258</b> | 70 in water / butylglycol                 | 15.000 – 35.000        | 51 – 58              | 30                  | Acrylic modified water dilutable saturated polyester resin for water dilutable resin for can and coil coatings, exterior white basecoat and overprint varnish for beer and beverage cans and coil coating primer with flexibility, reactivity and good physical drying.                                                                |
| <b>W 2380</b> | 80 in butylglycol                         | 30.000 – 60.000        | 40 – 60              | 190                 | Water dilutable saturated polyester resin for water dilutable for stoving enamels for interior and exterior use, gloss level, flexibility and outdoor durability.                                                                                                                                                                      |
| <b>W 2542</b> | 70 in dipropylene glycol                  | max. 15.000            | 45 – 60              | 142                 | VaraLite W 2542 DPG-70 is an oil free, saturated polyester resin, which is water thinnable after neutralization. VaraLite W 2542 DPG-70 is a reactive polyester resin for the manufacture of water thinnable stoving primers and topcoats.                                                                                             |
| <b>W 2777</b> | 40 in butyl glycol / water                | max. 25.000            | 40 – 60              | 118                 | Water dilutable, oil free, branched saturated polyester resin. VaraLite W 2777 G3Z-40 is a very reactive polyester resin for the manufacture of water thinnable stoving primers, fillers and topcoats. Primers and fillers based on VaraLite W 2777 show excellent mechanical properties.                                              |
| <b>W 2847</b> | 75 in butylglycol / water                 | max. 75.000            | 40 – 60              | 115                 | VaraLite W 2847 G3-75 is an oil free, saturated polyester resin, which is water thinnable after neutralization. VaraLite W 2847 is a very reactive polyester resin for the manufacture of water thinnable stoving primers and topcoats. Primers and fillers based on VaraLite W 2847 show excellent mechanical properties.             |
| <b>W 2265</b> | 75 in butyl glycol                        | 10.000 – 35.000        | 38 - 45              | -                   | Suitable for 1K stoving coating crosslink with amino or isocyanate providing good flexibility, stonechip resistance, pigment wetting and outdoor durability.                                                                                                                                                                           |





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„Innovation that connects  
across all applications.“



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INNOVATIVE TECHNOLOGIES FOR RESINS & ADDITIVES  
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