



CAR REFINISHING



HELIOS RESINS, HIGH-QUALITY RESINS FOR RELIABLE COATING SOLUTIONS,

RESINS SUPPLIER SINCE 1908.

CAR REFINISHING

EXCELLENT MECHANICAL PROPERTIES, SUPERIOR OUTDOOR DURABILITY, AND OUTSTANDING APPEARANCE ARE GUARANTEED.

GOLDEN RESINS

Helios Resins is a separate business unit of the Helios Group producing the highest quality liquid resins for advanced coating and composite manufacturers globally. Today, Helios Resins produces over 60,000 tons of liquid resins annually, including coating resins, composite resins, and polyester polyols for PU flexible foams. Our coating resin brands – DOMOPOL, DOMACRYL, DOMALKYD, and DOMEMUL – have achieved a strong market position and are trusted for their quality and reliable service. We currently serve over 50 countries worldwide, including Germany, Italy, France, Poland, Switzerland, Russia, the South African Republic, Morocco, Turkey, the UAE, Saudi Arabia, Thailand, and many others.

QUALITY OF SERVICE

We are committed to providing flexible and reliable service while satisfying your specific requests. Helios Resins ensures quality, stability and reproducibility of every delivery. With the know-how, resulting from over 100 years of experience, together as partners we can solve your challenges. Our experts produce tailor-made resins for your particular needs and offer support in developing your applications.

DEVELOPED BY ADVANCED TECHNOLOGY

Our laboratories and production facilities are fully equipped with the most advanced technology enabling the development and production of resins. Our R&D has advanced skills as well as equipment for polyester and acrylic chemistry, including synthesis under pressure. Our production lines were upgraded in 2014 with a new pilot and large-scale reactor, resulting in new types of environmentally-friendly resins, as well as increased production capacities.

OUR STRENGTHS

- FLEXIBILITY TO MEET CUSTOMER'S REQUIREMENTS
- ON-TIME DELIVERY
- HIGH QUALITY OF EVERY ORDER

ACRYLIC SOLVENTBORNE RESINS

RESIN	DELIVERY FORM	ACID VALUE on solid resin [mg KOH/g]	HYDROXYL VALUE on solid resin [mg KOH/g]	VISCOSITY 23 °C [mPa.s]	APPLICATION
DOMACRYL 503	55 X / BAc / B	10 – 15		1700 – 2600	Basecoat for metallic 2K finishes.
DOMACRYL 504	60 X / BAc	10 – 15	55 – 65	5500 – 7500	Resin for very elastic 2K air and stoving industrial coatings. Good compatibility with other OH acrylic resins. Pigment paste resin.
DOMACRYL 5262	75 BAc / EEP / MPA	max. 13	100 – 120	13000 – 17000	For 2K PUR. Fast build up of hardness. It is used for at room temperature drying or forced drying systems (top coats and clear coats) with excellent mechanical properties and superior outdoor durability.
DOMACRYL 5210	75 BAc	max. 15	110 – 130	5000 – 8500	Clear coats and solid colour top coats for vehicle refinish, industrial top coats.
DOMACRYL 547	60 X / SA / BAc	10 – 16	110 – 130	2500 – 3500	Autorefinishing 2K paints and high-grade industrial paints with rapid initial drying.
DOMACRYL 5437	75 SA	8 – 12	110 – 130	4200 – 7000	High solids stoving finishes in combination with melamine resins. Improvement of appearance of the topcoat in a combination with stoving alkyd or thermosetting acrylic resins is possible. Compatibility must be checked.
DOMACRYL 5117	70 BAc	4 – 8	120 – 140	1000 – 1400	Air and forced drying vehicle repair paints and industrial coatings. Very good lightfastness and good resistance to solvents.
DOMACRYL 5475	65 X / BAc	max. 12	120 – 140	3500 – 4500	Very fast drying automotive refinishing paints.
DOMACRYL 5124	75 BAc	max. 10	120 – 145	3500 – 6500	Automotive refinishing with good weathering, chemical and petrol resistance.
DOMACRYL 5140	75 BAc	max. 15	120 – 145	4000 – 7000	Automotive refinishing solid colour and clear top coats, general industrial coatings.
DOMACRYL 525	70 BAc	max. 10	125 – 150	8000 – 12000	2K paints for autorefinishing.
DOMACRYL 5450	65 SA / BAc	4 – 8	125 – 155	5500 – 8000	Medium solid autorefinishing 2K paints and clear coats, general industrial finishes and protective top coats for metal.
DOMACRYL 5141	70SA / BAc	max. 8	130 – 140	7000 – 14000	For 2K PUR. Fast build up of hardness. It is used for at room temperature drying or forced drying systems (top coats and clear coats) with excellent mechanical properties and superior outdoor durability.
DOMACRYL 5187	70 BAc	max. 15	130 – 145	2800 – 4200	Automotive refinish and industrial coatings.
DOMACRYL 5108	80 BAc	max. 16	130 – 150	4000 – 8000	For 2K PUR. High solids system at spraying viscosity. For at room temperature drying or forced drying systems (top coats and clear coats) with excellent mechanical properties and superior outdoor durability.
DOMACRYL 5155	60 X / SA / BAc	max. 10	130 – 150	3000 – 4000	Air and forced drying 2K automotive and large vehicles paints.
DOMACRYL 5481	75 BAc	max. 12	130 – 150	4500 – 6000	Air and forced drying top coats for car refinishing, ACE and industrial coatings with excellent outdoor stability, chemical resistance and mechanical properties.
DOMACRYL 5174	70 BAc	4 – 8	130 – 150	3500 – 5500	Automotive clear coats, general industrial paints, machine lacquers. Fast air drying.
DOMACRYL 549	70 X / BAc	max. 15	130 – 150	2500 – 4000	Fast drying 2K autorefinishing paint.
DOMACRYL 5485	75 BAc	max. 12	135 – 155	8000 – 12000	2K low VOC autorefinishing paints and clear coats, faster drying.
DOMACRYL 5495	70 BAc	max. 13	135 – 155	2000 – 3000	Fast drying 2K autorefinishing paints.
DOMACRYL 522	60 X / MPA	18 – 25	140 – 160	4000 – 5000	Standard resin for automotive 2K refinishing paints.
DOMACRYL 522	60 X / SA / BAc	max. 10	140 – 160	4000 – 5000	For 2K PUR. Fast build up of hardness. It is used for at room temperature drying or forced drying systems (top coats and clear coats) with excellent mechanical properties and superior outdoor durability.
DOMACRYL 5415	70 BAc	max. 12	140 – 160	3600 – 6000	Automotive 2K refinishing paints and clear coats, higher solid content as D-543.
DOMACRYL 5207	75 BAc	max. 12	140 – 160	4000 – 7000	Automotive refinishing, high hardness and chemical resistance.
DOMACRYL 5208	75 BAc	max. 12	140 – 160	3000 – 5000	Automotive refinishing, very fast air drying.
DOMACRYL 543	60 MPA / SA	max. 15	145 – 165	2500 – 3500	Standard resin for automotive 2K refinishing paints and clear coats.
DOMACRYL 543	60 X / SA / BAc	max. 15	145 – 165	2200 – 2800	Standard resin for automotive 2K refinishing paints and clear coats.
DOMACRYL 543	60 X / MPA	max. 15	145 – 165	2500 – 3500	Standard resin for automotive 2K refinishing paints and clear coats.
DOMACRYL 544	60 X / SA / BAc	max. 12	145 – 165	3500 – 8000	Very fast drying 2K primers for autorefinishing.
DOMACRYL 5150	75 BAc	max. 15	155 – 170	3500 – 6500	Automotive clear coats and solid colour top coats for vehicle refinishing. Excellent chemical and petrol resistance, good weathering and yellowing resistance.
DOMACRYL 5209	75 BAc	max. 15	155 – 175	2000 – 3600	Automotive refinishing, excellent scratch resistance of clear coats.



ALKYD SOLVENTBORNE RESINS

RESIN	DELIVERY FORM	OIL LENGTH / OIL TYPE	ACID VALUE on solid resin [mg KOH/g]	VISCOSITY 23 °C [mPa.s]	APPLICATION
DOMALKYD 1468	50 Solvent mix	46% non-yellowing F. A.	max. 12	1000 – 1500	Very fast surface and through-drying automotive finishes with high gloss and resistance to yellowing.
DOMALKYD 1482	55 W / X	48% Soyabean F. A.	max. 12	5000 – 7000	Standard resin for paints for metal, very good overall properties. Air and forced drying.
DOMALKYD 1492	50 D-40	49% Soyabean F. A.	max. 10	5500 – 7000	Quick drying medium oil alkyd resin for paints for metal work (industrial, machine and radiator paints).
DOMALKYD 1526	55 W	52% Soyabean oil	max. 15	2000 – 3000	Pigment pastes for combination with medium oil air-drying alkyd resins. Finishes for wood and metal with excellent weather resistance.

POLYESTER SOLVENTBORNE RESINS

RESIN	DELIVERY FORM	ACID VALUE on solid resin [mg KOH/g]	HYDROXYL VALUE on solid resin [mg KOH/g]	VISCOSITY 23 °C [mPa.s]	APPLICATION
DOMOPOL 5193	70 X	max. 12	app. 100	2000 – 3000	Automotive primer surfacers and metallic base coats.
DOMOPOL 6028	78 BAc	20 – 25	220 – 250	8000 – 13000	Excellent solvent and chemical resistance, high hardness.

ACRYLIC WATERBORNE RESINS

RESIN	DELIVERY FORM	ACID VALUE on solid resin [mg KOH/g]	HYDROXYL VALUE on solid resin [mg KOH/g]	VISCOSITY 23 °C [mPa.s]	pH	APPLICATION
DOMACRYL 0768	42 Wa / PnB	15 – 25	130 – 150	200 – 3000	8 – 9	Acrylic secondary dispersion for 2K PUR aq. clearcoats.



ISO 9001
ISO 14001
BUREAU VERITAS
Certification



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Global delivery

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