2026
EDITION

RESINS FOR CAN AND COIL COATINGS

HELIOS RESINS | ATCOAT

HIGH-QUALITY RESINS FOR ADVANCED COATING SOLUTIONS.

CAN AND COIL

A BROAD PORTFOLIO OF MODERN RESINS FOR ADVANCED CAN AND COIL COATING APPLICATIONS.

GOLDEN RESINS

We produce around 70,000 tons of liquid resins annually, including coating and composite resins. Our coating resin brands – DOMACRYL, DOMOPOL, DOMALKYD, DOMEMUL, DOMOPUR, ATRESIN, ATRELUX and ATRETHIX – have achieved a strong market position and are trusted for their quality and performance. With the combined strength of two strong production companies, ATCOAT and Helios Resins, we serve more than 50 countries worldwide. Our production sites in Germany and Slovenia allow us to deliver our quality resins throughout Europe and beyond. A broad product portfolio, intensive R&D and innovation capabilities, high production flexibility, and superior customer service are the strengths of Helios Resins and ATCOAT as a joint specialist for synthetic resins.

RESPONSIBLE MATERIAL DEVELOPMENT

By developing advanced and long-lasting materials and technolgies, we work to reduce the use of hazardous organic solvents, incorporate bio-renewable raw materials, and create a potential for energy savings. Our product and technology development activities encompass the production of bio-based materials, water-based resins, high solids technologies, BPA-NI resins (without addeed Bisphenol A), recycling solutions, and participation in EU initiatives. We are the first in Slovenia to be ISCC Plus certified and offer several products made from **ISCC PLUS-certified** raw materials certified throughout the value chain back to the point of origin. We are proud to see this reflected in the **EcoVadis Platinum Medal** we received in recognition of our corporate responsibility and sustainability management practices.

DEVELOPED WITH ADVANCED TECHNOLOGIES

Our laboratories and production facilities are fully equipped with the most advanced technologies, which enables the development and production of even the most complex solvent and waterborne resins. Our R&D has advanced skills as well as equipment for polyester and acrylic chemistry, including synthesis under pressure. By continually upgrading our production lines and expanding our production capacities, we can meet the most rigorous and complex needs and demands of our customers.

QUALITY OF SERVICE

We are committed to providing a flexible and reliable service while satisfying our customers' specific requests. Helios Resins and ATCOAT ensure the quality, stability and reproducibility of every delivery. Our extensive know-how, resulting from more than 100 years of experience, enables us to provide solutions to our customers' challenges. We produce tailormade resins for specific needs and offer support in developing customized applications.

CAN COATING / **SATURATED 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]	FDA 175.300	Tg [°C]	Mn	MAX. BIO-BASED CONTENT (on solid resin [%])	DESCRIPTION
DOMOPOL 5102	55 SAB / BG	max. 3	~20	2500 – 5500	-	30	6000	14	Metal decorating enamels.
DOMOPOL 5110	50 SAB / SN / MP	8 – 10	16 – 24	4700 – 6000	-	50	6000		Aerosol cans, adhesion on aluminium.
DOMOPOL 5117	60 SAB	5 – 10	22 – 30	14000 – 18000	-	25	5500	23	General line, twist off closures, excellent flexibility.
DOMOPOL 5118	55 SAB	3 – 5	18 – 26	4000 – 5000	-	32	6000	10	Twist off closures, general purpose.
DOMOPOL 5128	60 SAB	2 – 10	~50	2500 – 4000	-	15	4500	3	Overprint varnish, flexibility.
DOMOPOL 5132	60 SAB / MPA	4 – 7	45 – 55	4500 – 6500	(+)	23	4500	33	General line and tube coating, white base coat.
DOMOPOL 5142	60 SAB / DBE	max. 6	15 – 25	9500 – 13500	(+)	51	5000	26	White base coat, good adhesion on aluminium.
DOMOPOL 5147	55 SAB	max. 3	~20	3500 – 4500	-	15	6000	22	General line, flexibility.
DOMOPOL 5148	55 MP / DPM	max. 3	~40	3600 – 4400	(+)	20	4000	26	Overprint varnish, wet-on-wet, deep drawable.
DOMOPOL 5155	55 SA / MPA	max. 5	~70	2000 – 3000	+	80	5500	6	BPA-NI interior and exterior coatings.
DOMOPOL 5158	50 SAB / DBE / BDG	max. 8	15 – 30	3000 – 4500	(+)	62	5000	24	Aerosol cans, adhesion on aluminium, clear coat and white base coat.
DOMOPOL 5158	50 SAB / DBE	max. 8	15 – 30	1500 – 3000	(+)	62	5000	24	Aerosol cans, adhesion on aluminium, clear coat and white base coat.
DOMOPOL 5176	60 SA	max. 10	~100	3500 – 5500	+	13	4000	36	Overprint varnish, wet-on-wet, hardness.
DOMOPOL 5224	60 SAB	5 – 10	22 – 30	11000 – 15000	-	25	5500	22	General line, flexibility.
DOMOPOL 9010	40 SAB / DBE	max. 4	5 – 10	3500 – 4500	(+)	67	15000	27	Metal decorating enamels, good compatibility.
DOMOPOL 9040	40 SA / MPA	max. 3	5 – 10	2000 – 4000	(+)	70	18000	29	BPA-NI interior coatings, improves blocking resistance.
DOMOPOL 9070	40 SAB / MPA	max. 4	5 – 10	2000 – 4000	(+)	40	15000	22	BPA-NI interior coatings, adhesion promotion.

CAN COATING / **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]	FDA 175.300	Tg [°C]	Mn	MAX. BIO-BASED CONTENT (on solid resin [%])	DESCRIPTION
DOMOPOL 5160	75 BG	50 – 60	~100	6500 – 8500	(+)	20	2000	52	White base coat.
DOMOPOL 0194	45 Wa	50 – 60	~120	300 – 1500	(+)	33	1000	14	Metal decoration enamels, solvent free, pH 7 – 9.
DOMOPOL 0358	70 Wa / BDG	40 – 60	~100	15000 – 25000	-	7	1500	16	White base coat.
DOMALKYD 0391	80 Wa / BG	40 – 50	~200	30000 – 60000	+	11	1000	66	Metal decoration enamels and drum coatings, pH 7 – 9.

FDA 175.300: + full compliance; (+) limited compliance (non-alcoholic food content); - no compliance

COIL COATING / **SATURATED POLYESTER** 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]	STRUCTURE	Tg [°C]	Mn	MAX. BIO-BASED CONTENT (on solid resin [%])	DESCRIPTION
DOMOPOL 5102	50 SAB / SN	max. 3	~20	2000 – 4000	L	30	6000	14	Interior architectural coatings, appliance finishing, aluminium primers.
DOMOPOL 5106	60 SAB / BG	3 – 6	28 – 35	4000 – 5000	L	26	4500	11	Domestic appliances, outdoor durable systems, good flexibility, ageing resistant coatings.
DOMOPOL 5111	65 SAB / BG	7 – 12	95 – 105	1500 – 2000	B	10	2000	50	Back coatings, infrared cured coatings.
DOMOPOL 5118	55 SAB	3 – 5	18 – 26	4000 – 5000	L	32	6000	10	Domestic appliances, high flexibility, ageing resistant coatings.
DOMOPOL 5119	65 SAB / BG	max. 3	50 – 58	1800 – 2800	B	15	4000	28	Top coats, UV-absorption free, high durability.
DOMOPOL 5120	55 SAB / MPA / MP	max. 5	20 – 28	3000 – 5000	L	55	5000	25	HDG steel and aluminium primers, onecoat systems.
DOMOPOL 5130	65 SAB / BG	max. 8	28 – 36	1500 – 3000	L	10	3500	24	Interior and exterior architecture.
DOMOPOL 5131	65 SAB / BG	max. 8	33 – 40	1500 – 3500	B	20	3000	21	QUV-B resistant, exterior architecture, high durability.
DOMOPOL 5134	65 SAB / BG	max. 8	40 – 50	4000 – 5000	B	20	3000	38	Top coats and one-coat systems for exterior architecture.
DOMOPOL 5140	60 SAB / BG	max. 5	28 – 36	2700 – 3600	L	20	4000	18	Exterior and interior architecture.
DOMOPOL 5157	65 SA / X	max. 3	40 – 50	1500 – 3000	B	25	5000	28	QUV-A stability, exterior coatings, high durability.
DOMOPOL 5169	50 SAB / DBE	max. 3	~35	3000 – 5000	B	55	4000	24	Primers for HDG steel and aluminium, onecoat systems.
DOMOPOL 5172	55 SAB / MPA	max. 3	~30	2000 – 4000	L	30	6000	25	Interior architecture, appliance finishing.
DOMOPOL 5174	60 SAB / MPA	max. 5	20 – 28	5500 – 7500	L	50	5000	24	HDG steel primers.
DOMOPOL 5178	70 SA / BG	max. 5	~50	2000 – 4000	L	10	2000	29	Onecoat systems for exterior and interior architecture; paints with higher solid content. Very reactive.
DOMOPOL 5206	65 SA / BG	max. 10	~60	2200 – 3600	B	7	2500	32	High reactivity top coats, NIR curing.
DOMOPOL 5207	62 SA / BG	max. 5	30 – 40	3000 – 4000	L	31	3000	33	HDG steel primers.
DOMOPOL 9010	40 SAB / DBE	max. 4	5 – 10	3500 – 4500	L	67	15000	27	HDG primers, corrosion resistance.
DOMOPOL 9040	40 SA / MPA	max. 3	5 – 10	2000 – 4000	L	70	18000	29	Appliance finishing.

L - linear, **B** - branched

CAN AND COIL SPECIALITIES

RESIN	DELIVERY FORM	ACID VALUE on solid resin [mg KOH/g]	HYDROXYL VALUE on solid resin [mg KOH/g]	VISCOSITY 23 °C [mPa.s]	FDA 175.300	Tg [°C]	Mn	MAX. BIO-BASED CONTENT (on solid resin [%])	DESCRIPTION
DOMOPOL 5100	60 X	20 – 30	~30	300 – 650	(+)	20	3000		Adhesion improvement on aluminium, steel and galvanized steel.
DOMOPOL 5144	60 X / BGAc	15 – 30	~30	1000 – 4500	+	50	2000		Adhesion improvement on aluminium and steel; excellent hardness / flexibility ratio.
DOMOPOL 5101	60 SAB / DBE	max. 3	15 – 22	3500 – 5500	(+)	-5	7000	31	Flexibilizer resin.
DOMOPOL 9508	40 EAc	max. 5	5 – 15	300 – 1000				24	Suitable for can coatings, including heat sealing lacquers.
ADDITIVE EP024	73 Wa / BG	40 – 50		5000 – 8000	+				Epoxy phosphate additive for waterborne stoving enamels.
ADDITIVE EP135	65 BG	110 – 140		1500 – 3000	+				Epoxy phosphate additive for stoving enamels.
DOMACRYL 285	55 SAB / BG	65 – 75		3500 – 7000	+				Adhesion improvement; CAN coating.
DOMACRYL 5350	50 X / BG	14 – 18		1500 – 3500					Thermosetting acrylic resin for PVDF application; COIL coating.
DOMACRYL 5652	55 BAc	max. 5	200 – 220	25000 – 45000					Epoxy and hydroxy dual functional resin for 2K stoving applications. Epoxy equivalent weight 650 g/mol. Curing with amines, amides, polycarboxylates and polyisocyanates. BPA-NI coatings.
DOMACRYL 844	30 DBE			2500 – 4000		70			Thermoplastic acrylic resin for PVDF systems and plastics; COIL coating.
DOMACRYL 844	30 BDGA			2500 – 4000		70			Thermoplastic acrylic resin for PVDF systems and plastics; COIL coating.
DOMACRYL 848	40 BAc / MEK	max. 10		1000 – 3000					Acrylic-oleofin based dispersion for heat sealing lacquers.

BAc = Butyl acetate, **BDGA** = Butildiglycol acetate, **BG** = Butylglycol, **BGAc** = Butylglycol acetate, **BPA-NI** = Bisphenol A non-intent, **DBE** = Dibasic esters, **DPM** = Dipropylene glycol monomethyl ether, **EAc** = Ethyl acetate, **HDG** = Hot dip galvanised, **ISSC** = International Sustainability and Carbon Certification, **MEK** = Methyl ethyl ketone, **MP** = Methoxypropanol, **MPA** = Methoxy propyl acetate, **NIR** = Near infrared, **PVDF** = Polyvinylidene fluoride, **QUV-A** = Laboratory ultraviolet testing with UVA-340 lamps, **QUV-B** = Laboratory ultraviolet testing with UVB-313 lamps, **SA** = Aromatic solvent 100, **SAB** = Aromatic solvent 150 ND, **SN** = Aromatic solvent 200 ND, **Wa** = Water, **X** = Xylene.
Max. bio-based content refers to the portion of the resin derived from renewable plant-based feedstocks and/or attributed to ISCC PLUS certified content under the mass balance approach. The validity of the ISCC PLUS certificate can be verified via the official website (https://iscc-system.org/).

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