THE SECRET INSIDE EXCELLENT PRODUCTS

ROAD MARKING

OUR ADVANCED TECHNOLOGY RESINS ENSURE PREMIUM DURABILITY AND RELIABILITY FOR ROAD MARKING MATERIALS.

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.

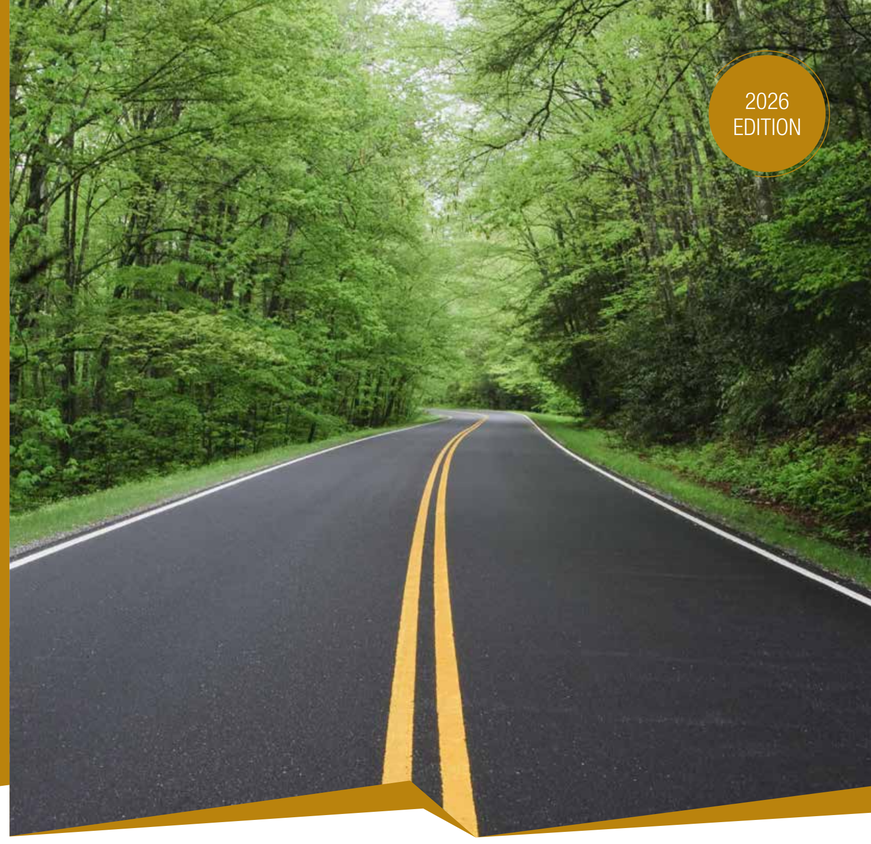
QUALITY OF SERVICE

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.

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2026 EDITION

RESINS FOR ROAD MARKINGS

HELIOS RESINS | ATCOAT



1K ROAD MARKING RESINS

SOLVENT BASED RESIN	DELIVERY FORM	ACID VALUE on solid resin [mg KOH/g]	VISCOSITY 23 °C [mPa.s]	Tg [°C]	DESCRIPTION
DOMACRYL 825	50 BAc	max. 13	300 – 700	25	Softer thermoplastic acrylic resin, used alone or in combination with other resins (like DOMACRYL 841), non-yellowing.
DOMACRYL 835	50 BAc	5 – 10	3000 – 5000	21	Thermoplastic acrylic resin for cold climatic areas, good durability, non-yellowing.
DOMACRYL 840	52 T	5 – 10	3200 – 3700	69	Standard thermoplastic resin, general purpose.
DOMACRYL 841	50 BAc	max. 10	3000 – 3500	69	The same as above in non-aromatic solvent, general purpose.
DOMACRYL 850	50 T	5 – 10	3000 – 3500	56	Styrene-acrylic resin for hot climatic areas, good durability. Used alone or with other resins.
DOMACRYL 850	60 T	5 – 10	10000 – 20000	56	Styrene-acrylic resin for hot climatic areas, good durability. Used alone or with other resins.
DOMACRYL 853	55 BAc	7 – 15	900 – 1600	13	Styrene-acrylic resin, general purpose. Excellent drying and toughness.
DOMACRYL 855	60 T	5 – 10	800 – 2000	-4	Softer thermoplastic resin with excellent drying, used in combination with other resins.
DOMACRYL 856	60 T	5 – 10	800 – 3000	32	Styrene-acrylic resin, general purpose, good durability and drying. Used alone or with other resins.
DOMACRYL 865	60 BAc	20 – 32	1200 – 1800	27	Styrene-acrylic resin, modified with drying oils. Good durability, low tendency to soiling. Used alone or with other resins. 12% bio-based on solid content.
DOMACRYL 865	50 T	18 – 32	1000 – 2000	27	Styrene-acrylic resin, modified with drying oils. Good durability, low tendency to soiling. Used alone or with other resins. 16% bio-based on solid content.
WATER BASED RESIN	**DELIVERY FORM**	**VISCOSITY 23 °C [mPa.s]**	**pH**	**MFFT [°C]**	**DESCRIPTION**
DOMEMUL AA 9269	50 Wa	max. 1000	10.0 – 11.0	30	Pure acrylic emulsion with fast drying. Suitable for application at high humidity and low temperature conditions.
DOMEMUL AA 9300	52 Wa	max. 1000	10.0 – 11.0	9	Quick drying 100% water acrylic emulsion. Recommended for low temperature climates.

2K ROAD MARKING RESINS

RESIN	VISCOSITY 23 °C [mPa.s]	REACTIVITY	DESCRIPTION
DOMACRYL 933	60 – 90	very low (30 min., 5% BP)	Laying thickness 0.6 – 1 mm, low viscosity, very soft resin. Suitable for roller application.
DOMACRYL 935	90 – 100	very low (30 min., 5% BP)	Laying thickness 1 – 2 mm, manual application on asphalt and concrete surfaces. Used alone or in combination with DOMACRYL 939.
DOMACRYL 936	90 – 100	very low (30 min., 5% BP)	DOMACRYL 365 with 30% recycled content.
DOMACRYL 915	90 – 100	very low (30 min., 5% BP)	Laying thickness 1 – 2 mm, manual application on asphalt and concrete surfaces. 10% bio-based.
DOMACRYL 939	90 – 100	not pre-accelerated	Used in combination with DOMACRYL 935.
DOMACRYL 926	180 – 250	low (20 min., 5% BP)	Laying thickness 1.5 – 2 mm, standard resin for manual application on asphalt and concrete surfaces.
DOMACRYL 916	180 – 250	low (20 min., 5% BP)	Laying thickness 1.5 – 2 mm, standard resin for manual application on asphalt and concrete surfaces. 10% bio-based.
DOMACRYL 929	150 – 200	low (20 min., 5% BP)	Used for marking of pedestrian crossings, stop lines, direction arrows and safety markings with increased night visibility. Suitable for manual application, particularly with smoothing trowels.
DOMACRYL 930	200 – 280	low (20 min., 5% BP)	Laying thickness 1.5 – 3 mm, high viscosity, for profiled, textured markings, trowel, line marker. Used with plasticizers (high hardness of resin).
DOMACRYL 975	20 – 60	medium (15 min., 5% BP)	Polyester resin used for marking of pedestrian crossings, stop lines, direction arrows and safety markings. Suitable for manual application with smoothing trowels or application with draw box units.
DOMACRYL 948	300 – 350	medium (15 min., 5% BP)	Laying thickness 1 – 2 mm, suitable for manual application on large areas such as bicycle lanes.
DOMACRYL 992	100 – 140	medium (18 min., 5% BP)	Laying thickness 1 – 2 mm, very soft and elastic resin for manual application.
DOMACRYL 955	50 – 60	high (10 min., 3% BP)	Laying thickness 0.4 – 1.2 mm, spray application on asphalt and concrete surfaces. Used with plasticizers (high hardness of resin).
DOMACRYL 920	100 – 130	high (7 min., 3% BP)	Laying thickness 0.4 – 0.8 mm, spray application on asphalt and concrete surfaces. Used in combination with DOMACRYL 922.
DOMACRYL 922	100 – 130	not pre-accelerated	Used in combination with DOMACRYL 920.
DOMACRYL 940	100 – 140	high (7 min., 3% BP)	Laying thickness 0.4 – 0.8 mm, spray application on asphalt and concrete surfaces. Used in combination with DOMACRYL 942.
DOMACRYL 942	100 – 140	not pre-accelerated	Used in combination with DOMACRYL 940.
DOMACRYL 941	140 – 160	high (7 min., 3% BP)	Laying thickness 0.3 – 0.8 mm, spray application on asphalt and concrete surfaces. Used in combination with DOMACRYL 943.
DOMACRYL 943	140 – 160	not pre-accelerated	Used in combination with DOMACRYL 941.
DOMACRYL 945	50 – 70	high (7 min., 3% BP)	Laying thickness 0.4 – 1.2 mm, spray application on asphalt surfaces, for higher temperatures. Used alone or in combination with DOMACRYL 949.
DOMACRYL 949	40 – 60	not pre-accelerated	Laying thickness 0.4 – 0.8 mm, spray application on asphalt surfaces. Used in combination with pre-accelerated resin (DOMACRYL 945).
DOMACRYL 980	180 – 220	very high (3 min., 3% BP)	Laying thickness 0.3 – 0.8 mm, extremely fast drying for spray application, 100:2 system.
DOMACRYL 960	120 – 180	very high (2 min., 3% BP)	Laying thickness 0.3 – 0.8 mm, soft, extremely fast drying for spray application, 100:2 system. Softer than Domacryl 980.

BAc = Butyl acetate, **BP** = Benzoyl peroxide, **T** = Toluene, **Wa** = Water. **Bio-based/recycled content** refers to the portion of the resin derived from renewable plant-based or recycled feedstocks.