



2024
EDITION

ROAD MARKING

The background is a warm, golden-yellow color with a subtle gradient. It features several overlapping circles of varying sizes, some of which are semi-transparent, creating a layered, organic effect. The text is centered and reads: HIGH-QUALITY RESINS FOR RELIABLE COATING SOLUTIONS.

HIGH-
QUALITY
RESINS FOR
RELIABLE
COATING
SOLUTIONS.

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 and ATRESIN – 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.

SUSTAINABLE APPROACH

By developing advanced, green, and long-lasting materials, we reduce emissions of hazardous organic solvents, incorporate bio-renewable raw materials and create a potential for energy savings. Our sustainable approach encompasses the production of bio-based materials, water-based resins, high solids, BPA non-intent resins, recycling, and participation in EU initiatives. We are the first in Slovenia to be ISCC Plus certified and offer several products made from sustainable raw materials that are certified in all parts of the value chain back to the point of origin. A sustainable future matters greatly to us, our business, and our customers. We are proud to see this reflected in the EcoVadis Gold Medal we received for our sustainability performance.

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 tailor-made resins for specific needs and offer support in developing customized applications.

1K ROAD MARKING RESINS

SOLVENT BASED RESIN	DELIVERY FORM	ACID VALUE on solid resin [mg KOH/g]	VISCOSITY 23 °C [mPa.s]
DOMACRYL 825	50 BAc	max. 13	300 – 700
DOMACRYL 835	50 BAc	5 – 10	3000 – 5000
DOMACRYL 840	52 T	5 – 10	3200 – 3700
DOMACRYL 841	50 BAc	max. 10	3000 – 3500
DOMACRYL 850	50 T	5 – 10	3000 – 3500
DOMACRYL 850	60 T	5 – 10	10000 – 20000
DOMACRYL 853	55 BAc	7 – 15	900 – 1600
DOMACRYL 855	60 T	5 – 10	800 – 2000
DOMACRYL 856	60 T	5 – 10	800 – 3000
DOMACRYL 865	60 BAc	20 – 32	1200 – 1800
DOMACRYL 865	50 T	18 – 32	1000 – 2000
WATER BASED RESIN	DELIVERY FORM	VISCOSITY 23 °C [mPa.s]	pH
DOMEMUL AA 7601	44 Wa	max. 1000	8.0 – 10.0
DOMEMUL AA 9269	50 Wa	max. 1000	10.0 – 11.0

2K ROAD MARKING RESINS

RESIN	VISCOSITY 23 °C [mPa.s]	REACTIVITY
DOMACRYL 933	60 – 90	very low (30 min., 5% BP)
DOMACRYL 935	90 – 100	very low (30 min., 5% BP)
DOMACRYL 915	90 – 100	very low (30 min., 5% BP)
DOMACRYL 939	90 – 100	not pre-accelerated
DOMACRYL 926	180 – 250	low (20 min., 5% BP)
DOMACRYL 916	180 – 250	low (20 min., 5% BP)
DOMACRYL 929	150 – 200	low (20 min., 5% BP)
DOMACRYL 930	200 – 280	low (20 min., 5% BP)
DOMACRYL 975	20 – 60	medium (15 min., 5% BP)
DOMACRYL 948	300 – 350	medium (15 min., 5% BP)
DOMACRYL 937	20 – 25	medium (18 min., 7% BP)
DOMACRYL 938	80 – 120	medium (18 min., 5% BP)
DOMACRYL 992	100 – 140	medium (18 min., 5% BP)
DOMACRYL 955	50 – 60	high (10 min., 3% BP)
DOMACRYL 920	100 – 130	high (7 min., 3% BP)
DOMACRYL 922	100 – 130	not pre-accelerated
DOMACRYL 940	100 – 140	high (7 min., 3% BP)
DOMACRYL 942	100 – 140	not pre-accelerated
DOMACRYL 941	140 – 160	high (7 min., 3% BP)
DOMACRYL 943	140 – 160	not pre-accelerated
DOMACRYL 945	50 – 70	high (7 min., 3% BP)
DOMACRYL 949	40 – 60	not pre-accelerated
DOMACRYL 980	180 – 220	very high (3 min., 3% BP)
DOMACRYL 960	120 – 180	very high (2 min., 3% BP)

APEO = Alkylphenol ethoxylate, BAc = Butyl acetate, BP = Benzoyl peroxide, T = Toluene, Wa = Water.

Tg [°C]	DESCRIPTION
25	Softer thermoplastic acrylic resin, used alone or in combination with other resins (like DOMACRYL 841), non-yellowing.
21	Thermoplastic acrylic resin for cold climatic areas, good durability, non-yellowing.
69	Standard thermoplastic resin, general purpose.
69	The same as above in non-aromatic solvent, general purpose.
56	Styrene-acrylic resin for hot climatic areas, good durability. Used alone or with other resins.
56	Styrene-acrylic resin for hot climatic areas, good durability. Used alone or with other resins.
13	Styrene-acrylic resin, general purpose. Excellent drying and toughness.
-4	Softer thermoplastic resin with excellent drying, used in combination with other resins.
32	Styrene-acrylic resin, general purpose, good durability and drying. Used alone or with other resins.
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.
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.
MFFT [°C]	DESCRIPTION
30	Acrylic APEO-free emulsion.
30	Acrylic APEO-free emulsion with faster drying and higher solid content than Domemul 7601. Good performance at high humidity and low temperature conditions.

DESCRIPTION
Laying thickness 0,6 – 1 mm, low viscosity, very soft resin. Suitable for roller application.
Laying thickness 1 – 2 mm, manual application on asphalt and concrete surfaces. Used alone or in combination with DOMACRYL 939.
Laying thickness 1 – 2 mm, manual application on asphalt and concrete surfaces. 10% bio-based.
Used in combination with DOMACRYL 935.
Laying thickness 1,5 – 2 mm, standard resin for manual application on asphalt and concrete surfaces.
Laying thickness 1,5 – 2 mm, standard resin for manual application on asphalt and concrete surfaces. 10% bio-based.
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.
Laying thickness 1,5 – 3 mm, high viscosity, for profiled, textured markings, trowel, line marker. Used with plasticizers (high hardness of resin).
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.
Laying thickness 1 – 2 mm, suitable for manual application on large areas such as bicycle lanes.
Laying thickness 1 – 2 mm, very low viscosity, suitable for manual application, for normal temperatures.
Laying thickness 1 – 2 mm, standard resin for manual application on asphalt and concrete surfaces.
Laying thickness 1 – 2 mm, very soft and elastic resin for manual application.
Laying thickness 0,4 – 1,2 mm, spray application on asphalt and concrete surfaces. Used with plasticizers (high hardness of resin).
Laying thickness 0,4 – 0,8 mm, spray application on asphalt and concrete surfaces. Used in combination with DOMACRYL 922.
Used in combination with DOMACRYL 920.
Laying thickness 0,4 – 0,8 mm, spray application on asphalt and concrete surfaces. Used in combination with DOMACRYL 942.
Used in combination with DOMACRYL 940.
Laying thickness 0,3 – 0,8 mm, spray application on asphalt and concrete surfaces. Used in combination with DOMACRYL 943.
Used in combination with DOMACRYL 941.
Laying thickness 0,4 – 1,2 mm, spray application on asphalt surfaces, for higher temperatures. Used alone or in combination with DOMACRYL 949.
Laying thickness 0,4 – 0,8 mm, spray application on asphalt surfaces. Used in combination with pre-accelerated resin (DOMACRYL 945).
Laying thickness 0,3 – 0,8 mm, extremely fast drying for spray application, 100:2 system.
Laying thickness 0,3 – 0,8 mm, soft, extremely fast drying for spray application, 100:2 system. Softer than Domacryl 980.



ISO 9001
ISO 14001
BUREAU VERITAS
Certification



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