



# WATER-BASED RESINS

## ENVIRONMENTALLY FRIENDLY

## HIGH-QUALITY COATINGS

### 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.

- DOMEMUL** – Primary Acrylic Emulsions
- DOMACRYL** – Secondary Acrylic Emulsions
- DOMALKYD** – Alkyd Emulsions and Water Thinnable Resins
- DOMOPOL** – Polyester Emulsions and Water Thinnable Resins
- DOMOPUR** – Polyurethane Dispersions (PUD)

### 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.

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RESIN	DELIVERY FORM	ACID VALUE on solid resin [mgKOH/g]	HYDROXYL CONTENT on solid resin [% OH]	VISCOSITY 23 °C [mPa.s]	MFFT [°C]	pH	BIO-BASED/ RECYCLED CONTENT on solid resin [%]	RESIN	General Industry	Transport & ACE	Car refinish	Wood & plastic	Decorative	Road marking	Primer	Basecoat	Clearcoat	Topcoat	1K	Stoving	2K	RESIN	DESCRIPTION
DOMEMUL AA 9673	42 Wa			20 – 250	7	7.5 – 8.5		DOMEMUL AA 9673	•			•	•		•		•	•	•			DOMEMUL AA 9673	Self-crosslinking acrylic emulsion for interior and exterior wood coatings. Fast drying and blocking resistance. APEO-free.
DOMEMUL AA 9672	44 Wa			max. 150	0	7.5 – 9.5		DOMEMUL AA 9672	•			•	•		•		•	•	•			DOMEMUL AA 9672	Core-shell acrylic emulsion for interior and exterior wood coatings. Good gloss and flexibility. APEO-free.
DOMEMUL AA 9670	40 Wa			100 – 800	0	7.5 – 9.5		DOMEMUL AA 9670	•			•	•		•		•	•	•			DOMEMUL AA 9670	Core-shell acrylic emulsion for interior and exterior wood coatings and joinery. Good blocking resistance. APEO-free.
DOMEMUL AA 7962	45 Wa			20 – 250	0	6.0 – 8.0		DOMEMUL AA 7962				•	•					•	•			DOMEMUL AA 7962	Core-shell acrylic emulsion for industrial waterborne wood coatings, interior and exterior, especially for furniture, joinery, decorative application with good chemical resistance, wetting, low-foaming, flow and transparency. APEO-free.
DOMEMUL AA 9674	41 Wa		1.8	20 – 500	50	7.0 – 8.0		DOMEMUL AA 9674				•	•					•	•		•	DOMEMUL AA 9674	Self-crosslinking acrylic emulsion with OH-functionality for industrial waterborne wood coatings for interior, especially for furniture and joinery non-yellowing enamels with good water, chemical and blocking resistance. APEO-free.
DOMEMUL AA 9678	41 Wa		1.8	20 – 500	50	7.0 – 8.0	10	DOMEMUL AA 9678				•	•					•	•		•	DOMEMUL AA 9678	Based on DOMEMUL AA 9674 with 10% biobased content.
DOMEMUL AA 9679	41 Wa		1.8	20 – 500	50	7.0 – 8.0	30	DOMEMUL AA 9679				•	•					•	•		•	DOMEMUL AA 9679	Based on DOMEMUL AA 9674 with 30% recycled content.
DOMEMUL AA 7762	45 Wa			20 – 350	31	7.5 – 8.5		DOMEMUL AA 7762				•	•					•	•			DOMEMUL AA 7762	Self-crosslinking acrylic emulsion for industrial waterborne wood finishes, interior. Good chemical and mechanical resistance, wetting, low-foaming, flow and transparency. Hand cream resistance, fast drying and hardness. APEO-free.
DOMEMUL AA 7764	45 Wa			20 – 350	31	7.5 – 8.5	20	DOMEMUL AA 7764				•	•					•	•			DOMEMUL AA 7764	Based on DOMEMUL AA 7764 with 20% recycled content.
DOMEMUL AA 9269	50 Wa			max. 1000	30	10.0 – 11.0		DOMEMUL AA 9269	•					•				•	•			DOMEMUL AA 9269	Acrylic emulsion for road marking coatings with very fast drying. Good performance at high humidity and low temperature conditions. APEO-free.
DOMEMUL AA 7601	44 Wa			max. 1000	30	8.0 – 10.0		DOMEMUL AA 7601	•				•	•	•			•	•			DOMEMUL AA 7601	Acrylic emulsion for the preparation of fast drying paints. Application on asphalt, concrete, metal. APEO-free.
DOMEMUL SA 9262	42 Wa			50 – 250	30	8.0 – 8.5		DOMEMUL SA 9262	•						•			•	•			DOMEMUL SA 9262	Styrene-acrylic emulsion. Good mechanical and chemical resistance. APEO-free.
DOMEMUL SA 9263	40 Wa			20 – 350	45	8.0 – 8.5		DOMEMUL SA 9263	•				•						•			DOMEMUL SA 9263	Styrene-acrylic emulsion. Harder than DOMEMUL SA 9262. APEO-free.
DOMEMUL SA 9270	47 Wa			100 – 1000	18	7.0 – 9.0		DOMEMUL SA 9270	•	•		•							•			DOMEMUL SA 9270	Hydrophobic styrene-acrylic dispersion for anti-corrosive applications, stain locking primers and primers for enhanced exterior durability. Suitable for DTM. APEO-free.
DOMEMUL RA 9675	35 Wa			50 – 1000	0	6.0 – 7.0		DOMEMUL RA 9675	•	•	•					•			•			DOMEMUL RA 9675	Acrylic latex resin for effect pigmented based coats (metallic, pearlescent). APEO-free.
DOMEMUL SA 2900	49 Wa			100 – 1000	7	7.0 – 9.0		DOMEMUL SA 2900				•	•						•			DOMEMUL SA 2900	Acrylic emulsion for the preparation of industrial waterborne coatings for walls, pigmented paints and plasters. Good adhesion on different substrates, water resistance. APEO-free.
DOMACRYL 0769	45 Wa / BG / SA	20 – 30	3.3	200 – 1000		7.0 – 8.5		DOMACRYL 0769	•	•	•	•					•	•			•	DOMACRYL 0769	Standard secondary acrylic dispersion for medium OH PUR coatings. Suitable for DTM.
DOMACRYL 0768	42 Wa / PnB	20 – 30	4.1	200 – 5000		8.0 – 9.0		DOMACRYL 0768	•	•	•						•	•			•	DOMACRYL 0768	Acrylic secondary dispersion. Standard resin for PUR systems. High gloss, without aromatic co-solvent.
DOMEMUL OHA 9200	45 Wa		2.8	20 – 600		7.5 – 9.0		DOMEMUL OHA 9200	•	•		•			•			•	•		•	DOMEMUL OHA 9200	OH-functional styrene-acrylic primary emulsion. Good gloss and adhesion to metal, suitable for DTM. Cost-efficient.
DOMACRYL 0707	43 Wa / DPM	35 – 45	3.3	100 – 3000		8.0 – 9.0		DOMACRYL 0707	•	•	•	•					•	•		•	•	DOMACRYL 0707	Modified acrylic secondary dispersion. Very flexible. Good wet-on-wet application.
DOMALKYD 0246	70 BG	35 – 65		8000 – 22000			42 ISCC	DOMALKYD 0246	•						•			•		•		DOMALKYD 0246	Epoxy modified alkyd resin, water reducible after neutralization. Good pigment wetting, enhanced adhesion, rapid curing, good anticorrosion properties.
DOMALKYD 0261	70 PnB / 2B	35 – 45		5000 – 15000			61 ISCC	DOMALKYD 0261	•						•			•	•	•		DOMALKYD 0261	Alkyd resin, water reducible after neutralization. Very fast drying and excellent corrosion resistance.
DOMALKYD 0265	70 BG / 2B / PnB	30 – 35		15000 – 20000			62 ISCC	DOMALKYD 0265	•						•			•	•	•		DOMALKYD 0265	Alkyd resin, water reducible after neutralization. Fast drying, high gloss and good corrosion resistance.
DOMOPOL 5301	60 BG	24 – 28	2.8	1300 – 2700				DOMOPOL 5301	•	•	•					•		•	•			DOMOPOL 5301	Milling resin. Water-thinnable after neutralization. Good pigment wetting and adhesion.
DOMALKYD 0391	80 Wa / BG	40 – 50	6.5	30000 – 60000		7.0 – 9.0	66 ISCC	DOMALKYD 0391	•						•			•		•		DOMALKYD 0391	Waterborne alkyd for primers and top coats with less than 2% co-solvent. Very suitable for drums.
DOMALKYD 0503	80 Wa	40 – 50	6.5	5000 – 35000		6.5 – 8.0	60 ISCC	DOMALKYD 0503	•				•					•		•		DOMALKYD 0503	Water reducible alkyd solution without organic solvent. Excellent pigment wetting and application properties.
DOMALKYD 0545	40 Wa	max. 28	1.0	50 – 1000		7.0 – 8.0	60 ISCC	DOMALKYD 0545	•				•		•			•	•	•		DOMALKYD 0545	PU modified alkyd emulsion without organic solvents. Rapid air drying, high gloss and hardness, good water and chemical resistance.
DOMALKYD 0547	42 Wa	15 – 20		max. 10000		7.5 – 8.5	60 ISCC	DOMALKYD 0547	•				•		•			•		•		DOMALKYD 0547	PU modified alkyd emulsion without organic solvents. Very rapid physical drying, high gloss and hardness.
DOMALKYD 0460	38 Wa / MP			9000 – 15000		8.0 – 9.0	79 ISCC	DOMALKYD 0460	•				•					•	•			DOMALKYD 0460	Acrylic modified alkyd emulsion. Fast air drying, high gloss, excellent flow and very low-yellowing. Low VOC content.
DOMOPOL 0358	70 Wa / BDG	40 – 60	3.0	15000 – 20000		7.0 – 8.0	14 ISCC	DOMOPOL 0358	•									•		•		DOMOPOL 0358	Waterborne polyester for low co-solvent non-yellowing industrial stoving lacquers.
DOMOPOL 8037	35 Wa / DMP	65 – 75		500 – 4000		7.0 – 9.0	14 ISCC	DOMOPOL 8037	•	•								•	•	•		DOMOPOL 8037	One-coat finishes or topcoats with good weathering resistance.
DOMOPUR 0133	36 Wa	30 – 50		2000 – 8000		7.0 – 8.5	47	DOMOPUR 0133	•	•		•	•					•	•			DOMOPUR 0133	Aqueous polyurethane dispersion modified with unsaturated fatty acids for paints in spray cans.
DOMOPUR 0215	35 Wa			20 – 100		7.0 – 8.5		DOMOPUR 0215				•			•			•	•		•	DOMOPUR 0215	Self-crosslinking aliphatic polyurethane dispersion. Non yellowing, high abrasion, chemical, black heel mark, and scratch resistance.
DOMOPUR 0231	40 Wa	15 – 25		100 – 1000		7.0 – 8.0		DOMOPUR 0231				•	•		•	•		•	•			DOMOPUR 0231	Solvent-free PU dispersion. Based on aliphatic polyester-isocyanate. Good blocking and abrasion resistance.
ADDITIVE EP024	73 Wa / BG	40 – 50		5000 – 8000				ADDITIVE EP024	•						•					•		ADDITIVE EP024	Epoxy phosphate additive for waterborne stoving enamels. Improves adhesion and corrosion, chemical and stain resistance.

APEO = Alkylphenol ethoxylate, BDG = Butyldiglycol, BG = Butylglycol, 2B = 2-Butanol, DPM = Dipropylene glycol monomethyl ether, DTM = Direct-to-metal, ISCC = International Sustainability and Carbon Certification, MP = Methoxypropanol, PnB = Propylene glycol monobutyl ether, SA = Aromatic solvent 100, Wa = Water.