

RESINS SUPPLIER SINCE 1908.



WATER-BASED RESINS

ENVIRONMENTALLY FRIENDLY HIGH-QUALITY COATINGS WITH HELIOS RESINS

GOLDEN RESINS

Helios Resins is a separate business unit of the Helios Group producing the highest quality liquid resins for advanced coatings and composite solutions. 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 performance. Helios Resins currently serves over 50 countries worldwide.

QUALITY OF SERVICE

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

DEVELOPED BY ADVANCED TECHNOLOGY

Helios Resins 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. We are constantly upgrading our production lines and increasing our production capacities to meet the highest demands of our customers.

WATER-BASED RESINS

Water-based resins technology uses water as a carrier medium and diluent instead of traditionally used VOCs (Volatile Organic Compounds). Helios Resins offers a wide portfolio of water-based resin systems tailored for both specific substrates and end-use applications. Water-based resin solutions help our customers meet environmental compliance requirements and reduce human health hazards while maintaining a high-performance level expected from the markets. We are focused on eco-friendly, sustainable and high-quality products that offer great performance.

DOMEMUL – Primary Acrylic Emulsions

DOMACRYL – Secondary Acrylic Emulsions

DOMALKYD – Alkyd Emulsions and Water Thinnable Resins

DOMOPOL – Polyester Emulsions and Water Thinnable Resins

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A member of the KANSAI PAINT Group.

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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	RESIN	General Industry	Transport & ACE	Car refinish	Wood & plastic	Decorative	Road marking	Primer	Basecoat	Clearcoat	Topcoat	1K	Stoving	2K	RESIN	DESCRIPTION
DOMEMUL AA 7601	44 Wa			max. 1000	30	8.0 – 10.0	DOMEMUL AA 7601	•				•	•	•			•	•			DOMEMUL AA 7601	Acrylic emulsion, used for the preparation of waterborne traffic marking paints, metal finishes. Fast drying.
DOMEMUL AA 7695	40 Wa			50 – 500	29	7.5 – 9.0	DOMEMUL AA 7695				•					•		•			DOMEMUL AA 7695	Self-crosslinking acrylic emulsion, interior wood finishes, chemical resistance, transparency.
DOMEMUL AA 7760	41 Wa			20 – 500	32	7.5 – 9.0	DOMEMUL AA 7760				•	•		•		•	•				DOMEMUL AA 7760	Self-crosslinking APEO-free acrylic emulsion, interior wood finishes, good chemical and mechanical resistance.
DOMEMUL AA 7960	45 Wa			20 – 250	0	6.0 – 8.0	DOMEMUL AA 7960				•	•		•			•	•			DOMEMUL AA 7960	Core-shell emulsion for wood coatings. Good anti-blocking resistance, for joinery and furniture. By request also APEO-free (Blue-Angel).
DOMEMUL AA 9670	40 Wa			100 – 800	0	7.5 – 9.5	DOMEMUL AA 9670				•	•		•		•	•				DOMEMUL AA 9670	Core-shell APEO-free acrylic emulsion. WB wood coating for interior and exterior, good anti-blocking resistance, for joinery.
DOMEMUL AA 9672	44 Wa			10 – 150	< 0	8.0 – 9.0	DOMEMUL AA 9672	•			•	•		•		•	•	•			DOMEMUL AA 9672	Core-shell APEO-free acrylic emulsion for interior and exterior wood coatings. Good gloss.
DOMEMUL AA 9673	44 Wa			20 – 250	7	7.5 – 8.5	DOMEMUL AA 9673	•			•	•		•		•	•	•			DOMEMUL AA 9673	Self-crosslinking APEO-free acrylic emulsion. Fast drying and anti-blocking resistance coatings. For interior and exterior.
DOMEMUL RA 9675	35 Wa			50 – 1000	< 0	6.0 – 7.0	DOMEMUL RA 9675	•	•	•	•				•			•			DOMEMUL RA 9675	Acrylic APEO-free latex resin for effect pigmented coatings (metallic, pearlescent).
DOMEMUL SA 2700	50 Wa			100 – 800	90	8.0 – 9.5	DOMEMUL SA 2700				•							•			DOMEMUL SA 2700	Acrylic APEO-free emulsion. WB high performance electronics (TV, Hi-Fi) applications, good water and chemical resistance.
DOMEMUL SA 9262	42 Wa			50 – 250	30	8.0 – 8.5	DOMEMUL SA 9262	•			•			•				•	•		DOMEMUL SA 9262	Styrene-acrylic emulsion. WB paints for metal finishes, anticorrosive primers, plastic, wood. By request also APEO-free DOMEMUL SA 9262 (APEO-free).
DOMEMUL SA 9263	40 Wa			20 – 350	45	8.0 – 8.5	DOMEMUL SA 9263	•			•	•						•			DOMEMUL SA 9263	Styrene-acrylic APEO-free emulsion. WB paints for metal finishes, plastic, wood, anticorrosive primer.
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 for industrial WB coatings. Good gloss and adhesion to metal - suitable for DTM (Direct-to-Metal). 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.
DOMACRYL 0724	45 Wa / PnB / SA	24 – 30	4.1	200 – 1000		7.0 – 8.0	DOMACRYL 0724	•	•	•	•					•	•			•	DOMACRYL 0724	Acrylic secondary dispersion. Standard resin for WB 2K PUR systems.
DOMACRYL 0765	42 Wa / BG / SA	24 – 32	4.1	200 – 1000		7.0 – 8.5	DOMACRYL 0765	•	•	•						•	•			•	DOMACRYL 0765	Acrylic secondary dispersion. High hardness, without aromatic co-solvent.
DOMACRYL 0768	42 Wa / PnB	15 – 25	4.1	200 – 3000		8.0 – 9.0	DOMACRYL 0768	•	•	•						•	•			•	DOMACRYL 0768	Acrylic secondary dispersion. Standard resin for WB 2K PUR systems. High gloss, without aromatic co-solvent.
DOMACRYL 0795	41 Wa / PnB	24 – 30	5.0	200 – 2000		7.0 – 8.0	DOMACRYL 0795	•	•	•				•		•	•			•	DOMACRYL 0795	Acrylic secondary dispersion. Top quality WB 2K PUR systems. Suitable for DTM (Direct-to-Metal).
DOMALKYD 0234	80 DMM	38 – 50		70000 – 80000			DOMALKYD 0234	•									•			•	DOMALKYD 0234	Alkyd resin, water reducible after neutralization. Good resistance to chemicals, high gloss, good hardness and elasticity.
DOMALKYD 0246	70 BG	35 – 65		8000 – 22000			DOMALKYD 0246	•						•			•			•	DOMALKYD 0246	Epoxy modified alkyd resin, water reducible after neutralization. Good pigment wetting, increased adhesion, rapid curing, good corrosion properties.
DOMALKYD 0261	75 BG / 2B	35 – 45		17000 – 23000			DOMALKYD 0261	•						•			•	•	•		DOMALKYD 0261	Alkyd resin, water reducible after neutralization. Very fast drying and excellent corrosion resistance.
DOMALKYD 0264	70 BG / iB	38 – 42		13000 – 18000			DOMALKYD 0264	•						•			•	•	•		DOMALKYD 0264	Alkyd resin, water reducible after neutralization. Fast drying, high hardness, high flexibility and good anti corrosion properties.
DOMALKYD 0265	70 BG / 2B / PnB	30 – 35		15000 – 20000			DOMALKYD 0265	•						•			•	•	•		DOMALKYD 0265	Alkyd resin, water reducible after neutralization. Good corrosion resistance, fast drying, high gloss.
DOMALKYD 0334	70 BG	35 – 55		4000 – 14000			DOMALKYD 0334	•			•			•				•	•		DOMALKYD 0334	Epoxy modified resin, water reducible after neutralization. High pigment loading capacity, rapid curing and good corrosion properties.
DOMALKYD 0391	80 Wa / BG	40 – 50	6.1	30000 – 60000		7.0 – 9.0	DOMALKYD 0391	•						•			•		•		DOMALKYD 0391	Waterborne alkyd for primer and topcoat with less than 2% co-solvent. Very suitable for drums.
DOMALKYD 0460	38 Wa / MP			9000 – 15000		8.0 – 9.0	DOMALKYD 0460	•				•					•	•			DOMALKYD 0460	Acrylic modified alkyd emulsion. Low VOC content. Fast air drying, high gloss, excellent flow and very low yellowing.
DOMALKYD 0461	38 Wa / BG			2000 – 10000		7.5 – 9.0	DOMALKYD 0461	•				•					•	•			DOMALKYD 0461	Styrene free acrylic modified alkyd emulsion. Low VOC content. Fast air drying, high gloss, excellent flow and very low yellowing.
DOMALKYD 0503	80 Wa	40 – 50	1.4	5000 – 35000		6.0 – 9.0	DOMALKYD 0503	•									•		•		DOMALKYD 0503	Alkyd water solution. Without organic solvent. Excellent pigment wetting and application properties.
DOMALKYD 0545	40 Wa			50 – 500		7.0 – 8.0	DOMALKYD 0545	•				•		•			•	•	•		DOMALKYD 0545	PU modified alkyd emulsion. Without organic solvent. Rapid air drying, high gloss and hardness, good water and chemical resistance.
DOMOPOL 0358	70 Wa / BDG	40 – 60	3.0	15000 – 20000		7.0 – 8.0	DOMOPOL 0358	•									•		•		DOMOPOL 0358	Waterborne polyester for low co-solvent non-yellowing industrial stoving lacquers.
ADDITIVE EP024	73 Wa / BG	40 – 50		6000 – 10000			ADDITIVE EP024	•						•					•		ADDITIVE EP024	Epoxy phosphate additive for waterborne stoving enamels. Improves adhesion and corrosion, chemical and stain resistance.

BG = Butylglycol, 2B = 2 Butanol, DMM = Dipropylene glycol dimethyl ether, DPM = Dipropylene glycol monomethyl ether, HMMM = Hexamethoxymethylmelamine, iB = iso Butanol, MP = Methoxy Propanol, PnB = Propylene glycol monobutyl ether, SA = Aromatic solvent 100, Wa = Water.