

RESINS SUPPLIER SINCE 1908.

ROAD MARKING

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

GOLDEN RESINS

Helios Resins is a separate business unit of KANSAI HELIOS, now part of Kansai Paint, one of the world's leading paint and coatings producers. Today, Helios Resins produces around 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, DOMEMUL and DOMOPUR – have achieved a strong market position and are trusted for their quality and performance. We currently serve more than 50 countries worldwide.

QUALITY OF SERVICE

We are committed to providing a flexible and reliable service while satisfying our customers' specific requests. Helios Resins ensures 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. Helios Resins experts produce tailor-made resins for specific needs and offer support in developing customized applications.

DEVELOPED WITH ADVANCED TECHNOLOGIES

Our laboratories and production facilities are fully equipped with the most advanced technologies, which enables 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. In 2018 we introduced a new reactor line for water-based resins.

OUR STRENGTHS

- FLEXIBILITY
- ON-TIME DELIVERY
- HIGH QUALITY



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Member of KANSAI HELIOS Part of KANSAI PAINT



HELIOS
RESINS,
HIGH-QUALITY
RESINS FOR
RELIABLE
COATING
SOLUTIONS.

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 | 47 | 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 | 23 | Styrene-acrylic resin, modified with drying oils. Good durability, low tendency to soiling. Used alone or with other resins. <i>15% bio-based on solid content.</i> |
| DOMACRYL 865 | 50 T | 18 – 32 | 1000 – 2000 | 23 | Styrene-acrylic resin, modified with drying oils. Good durability, low tendency to soiling. Used alone or with other resins. <i>15% bio-based on solid content.</i> |

| WATER BASED RESIN | DELIVERY FORM | VISCOSITY 23 °C [mPa.s] | pH | MFFT [°C] | DESCRIPTION |
|-------------------|---------------|----------------------------|-------------|-----------|--|
| DOMEMUL AA 7601 | 44 Wa | max. 1000 | 8.0 – 10.0 | 30 | Acrylic APEO-free emulsion. |
| DOMEMUL AA 9269 | 50 Wa | max. 1000 | 10.0 – 11.0 | 30 | Acrylic APEO-free emulsion with faster drying and higher solid content than Domemul 7601. Good performance at high humidity and low temperature conditions. |

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 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 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 937 | 20 – 25 | medium (18 min., 7% BP) | Laying thickness 1 – 2 mm, very low viscosity, suitable for manual application, for normal temperatures. |
| DOMACRYL 938 | 80 – 120 | medium (18 min., 5% BP) | Laying thickness 1 – 2 mm, standard resin for manual application on asphalt and concrete surfaces. |
| 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. |

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