



ROAD MARKING MATERIALS

KANSAI HELIOS ROAD MARKING MATERIALS MEET THE DEMAND FOR MAXIMUM TRAFFIC SAFETY DURABILITY RELIABILITY

DESIGNING EXCELLENCE



INTERNATIONAL KNOW-HOW AND LOCAL SUPPORT

KANSAI HELIOS is one of the top European producers of **industrial coatings, chemicals for bleaching and cleaning, materials for sticking and sealing, high-quality resins, decorating paints and refinishing coatings**. As part of KANSAI PAINT, one of the world's leaders in the paints and coatings industry, KANSAI HELIOS represents the **European competence center** of the group.

State-of-the-art coating technologies, an international team of experts and an explicit customer focus make KANSAI HELIOS your reliable partner for all industries. We focus on **high-quality products, long-term cooperation** and a **strong technical support**. With our own modern and fully equipped production sites and our well-located field offices throughout Europe, KANSAI HELIOS serves customers in more than 60 countries worldwide.

We share our long-term experience with our business partners through **KANSAI HELIOS Master Classes** – a high-level learning and networking platform with webinars, IKI symposia and technical trainings.

„DESIGNING EXCELLENCE“ – R&D AT THE HIGHEST LEVEL

At KANSAI HELIOS research and development is based on the highest standards, extensive know-how and a passion for inventive product solutions. We drive progress and innovation in our high-end laboratories. Looking far ahead, our experienced R&D teams formulate, develop and test high-performance coatings and paints, chemicals for bleaching and cleaning as well as materials for sticking and sealing that meet the high criteria of future product quality – especially with regard to the environment.

CREATING MORE VALUE FROM LESS RESOURCES

The KANSAI HELIOS Group is committed to the principles of sustainable development and relies on clean, energy-saving production technologies and the responsible use of resources. Accordingly, **environmental protection and a strong ESG management** are a key focus for us, not only in product development, but along the entire value chain and in all areas of the Group.



PRODUCT RANGE

ROAD MARKING PAINTS

SOLVENT-BASED 1-COMPONENT PAINTS

VERONIL A
HELIOCRYL
SIGNOCRYL

SOLVENT-BASED 2-COMPONENT PAINTS

SIGNOCRYL 2C EPOXY
SIGNOCRYL TRAFFIC 2C PUR

WATER-BASED PAINTS

HELIOCRYL AQ

COLD PLASTIC SYSTEMS

COLD SPRAY PLASTICS

SIGNODUR KSP 98:2 OR 1:1
SIGNODUR KSP EQ 98:2 OR 1:1

COLD PLASTICS

SIGNODUR STRUKTURAL
SIGNODUR STRUKTURAL EQ
SIGNODUR G
SIGNODUR ROLL

THERMOPLASTIC MARKINGS

HELIOtherm B2011 MDS T2

SMART SOLUTIONS

NIGHT-VISIBILITY ON WET ROADS

SIGNODUR KSP 98:2 OR 1:1
SIGNODUR KSP EQ 98:2 OR 1:1
SIGNODUR STRUKTURAL
SIGNODUR STRUKTURAL EQ
SIGNODUR G
SIGNODUR ROLL

CYCLE & PEDESTRIAN LANE / AREA MARKINGS

SIGNOCRYL
HELIOCRYL
SIGNODUR ROLL / TRANSPARENT
SIGNODUR KSP

PLAYGROUNDS

HELIOCRYL AQ
SIGNOSPORT
SPRAY MARKING PAINTS

HIGH FRICTION SURFACING

SIGNODUR TRANSPARENT /
SIGNODUR TRANSPARENT TIX
SIGNOPUR 2C SF

AIRPORTS

VERONIL A
SIGNOCRYL 2C EPOXY

CONCRETE SUBSTRATES

SIGNOCRYL 2C EPOXY
SIGNOCRYL TRAFFIC 2C PUR
REZISTOL EMAJL 2C PUR / EMAJL E DBS

SPECIALIZED PRODUCTS AND AUXILIARY MATERIALS

KANSAI HELIOS
OFFERS COST
EFFICIENT,
ENVIRONMENTALLY
FRIENDLY AND
RENEWABLE
ROAD MARKING
SOLUTIONS.

ROAD MARKING PAINTS

VERSATILE ROAD MARKING PAINTS GUARANTEE THE HIGHEST QUALITY AND A WIDE SCOPE OF TARGET APPLICATIONS.

1C

2C

WATER-BASED

KANSAI HELIOS offers a versatile product portfolio of road marking paints and strives to assure the highest quality and environmentally friendly products for a wide scope of target applications, in highways, regional roads as well as urban areas.

SOLVENT-BASED 1-COMPONENT PAINTS

1C

VERONIL A, HELIOCRYL and SIGNOCRYL are highly efficient solutions for economical maintenance of all kinds of road markings. All products enable a wide range of application methods and feature a high level of durability.

AROMATIC-FREE SOLVENT-BASED PAINTS

Premium High-Solid, aromatic-free paints for high traffic load markings with excellent glass beads retention and durability. Suitable for all air-spraying and airless application machines.

AROMATIC SOLVENT-BASED PAINTS

Aromatic, High-Solid paints with very low VOC content and extremely fast drying with excellent hiding power. Suitable for all air-spraying and airless application machines.

SOLVENT-BASED PAINTS FOR SPECIAL PERFORMANCE REQUIREMENTS

Aromatic, High-Solid paints for special performance requirements from a ultra-low consumption, to applications at extremely low temperatures, to glass beads premix content for safe long-term night visibility. Suitable for all air-spraying and airless application machines.

HIGHLIGHTS

- High durability
- Fast drying
- Great hiding power
- Air-spray and airless application



PERMANENT AND ECO-FRIENDLY ROAD MARKING SOLUTIONS.

SOLVENT-BASED 2-COMPONENT PAINTS

2C

SIGNOCRYL product line offers two premium performance variants of thin-layered road marking paints for heavily trafficked areas and highway lane markings, based on epoxy or polyurethane and non-aromatic solvents.

SIGNOCRYL 2C EPOXY

Highly durable, solvent-based, two-component paint with good chemical and mechanical resistance. SIGNOCRYL 2C Epoxy offers a fast drying process and good adhesion on damp asphalt and concrete surface. Applicable in unfavourable weather conditions and in high humidity areas.

SIGNOCRYL TRAFFIC 2C PUR

Fast drying, high performance, two-component paint for high traffic loads. Applicable on asphalt and concrete surfaces.

HIGHLIGHTS

- Fast drying
- High durability
- Applicable on asphalt and concrete surfaces

WATER-BASED PAINTS

WATER-BASED

HELIOCRYL AQ

A one-component, environmentally-friendly, fast-drying, water-based acrylic paint with High-Solid content and good physical and chemical characteristics. Suitable for all conventional air-spraying and airless application machines or with a roll.

HELIOCRYL AQ achieves a high level of performance in terms of its technical and environmental properties. This water-based system outperforms conventional solvent-borne systems in all main characteristics, but without the use of any organic solvents.

HIGHLIGHTS

- Environmentally friendly
- Extremely fast drying time
- Excellent adhesion and durability
- Low-to-zero VOC
- Short washout time



COLD PLASTIC SYSTEMS

COLD PLASTIC SYSTEMS OFFER SUPREME DURABILITY AND ENVIRONMENTALLY FRIENDLY ROAD MARKING SOLUTIONS.



Cold plastic marking materials are based on acrylate binder and reactive monomers, where curing takes part upon the addition of a catalyst. Known for the highest endurance amongst all marking materials, they are offering supreme durability. As solvent- and VOC-free option, they provide one of the most environmentally friendly road marking solutions according to life-cycle assessments.

COLD SPRAY PLASTICS

KANSAI HELIOS acrylic cold-spray plastics impress with their excellent night visibility, also in dry and wet conditions. They can be applied for traffic signs using both manual application as well as machines with application systems. This produces thin to medium layer thicknesses (0,25–1 mm), which enables cost-efficient and sustainability owing to the low consumption. A further field of use is the maintenance of existing 2C markings and is the best choice for structured road markings.

SIGNODUR KSP 98:2 OR 1:1, SIGNODUR KSP EQ 98:2 OR 1:1

A two-component cold spray plastic material intended for heavy traffic road loads and highway markings. Very fast curing time, extremely high durability and excellent glass beads retention.

COLD PLASTICS

KANSAI HELIOS acrylic, solvent-free cold plastics are the perfect choice for road markings for up to 7 mm thickness. Under heavy traffic conditions SIGNODUR is the most durable road marking material, and can be applied by various methods.

SIGNODUR

An extremely durable road marking material for heavy traffic road loads and versatile applications from pedestrian crossings to cycle roads or larger coloured /textured surfacing. For each specific requirement KANSAI HELIOS offers the right product solution from the SIGNODUR series (SIGNODUR Struktural, SIGNODUR Struktural EQ, SIGNODUR G and SIGNODUR Roll).

HIGHLIGHTS

- Extremely high durability
- High night visibility
- Multiple application methods

THERMOPLASTIC MARKINGS

THERMOPLASTIC MARKINGS GUARANTEE EXTREMELY HIGH DURABILITY UNDER HEAVY TRAFFIC CONDITIONS AND A LONG TERM HIGH NIGHT VISIBILITY.



Thermoplastics are solid form materials that liquify at high temperatures (application temperature between 190–220°C) and are applied as hot melt. Upon cooling, material solidifies / hardens rapidly, which enables extremely short curing times. This range of marking materials are intended for thick layer applications (1,5–7 mm) with specialized machines by extruder or with a multi-dot application.

HELIO THERM B2011 MDS T2

High durable, VOC-free paint with a high premix content for long-term night visibility of markings in dry and wet conditions. Beside the very good thermal stability of the material, HELIO THERM convinces with a high recycled material content (> 70%). Suitable for applications on heavily loaded urban areas and highways.

HIGHLIGHTS

- High durability
- VOC-free
- Very good thermal stability
- Application temperature between 190–220°C



SMART SOLUTIONS

WE ARE PASSIONATE ABOUT SMART COATING SOLUTIONS THAT INCREASE ROAD SAFETY AND PROVIDE CUSTOMISED SOLUTIONS FOR THE REQUESTED PURPOSE.



KANSAI HELIOS smart solutions offer customised products for specific purposes. Whether you are looking for long-term night visibility or environmentally and children friendly markings or any other surface paints, we will provide the optimal tailor-made solution.

NIGHT-VISIBILITY ON WET ROADS



Wet or rainy conditions represent one of the main safety concerns for drivers and therefore a good visibility upon water film building up on the road is necessary. The profiled agglomerate marking structure assures water drainage and remains optically accessible for headlights by its texture. The properly selected glass beads drop-on system enables maximal retroreflectivity back to the driver in all weather conditions. Suitable products are listed in **COLD PLASTIC** segment.

CYCLE & PEDESTRIAN LANE/AREA MARKINGS



Brightly coloured delineation of lanes and paths ensure road safeness for either bicyclists or pedestrians and operate as well as warning signs for drivers. Beside the decorative, guiding and warning purpose, properly selected marking materials offer also a suitable anti-skid resistance.

SIGNOCRYL & HELIOCRYL

Solvent or water-based, thin-layer paints with a thickness of dry paint layer of 0.3–0.4 mm. Suitable material for less and moderately loaded surfaces.

SIGNODUR Roll & Transparent

Two-component cold plastics for manual applications with a thickness of the structured layer of 2.5–3 mm. Suitable material for loaded and heavily loaded surfaces.

SIGNODUR KSP

Two-component cold plastics for machine applications with a thickness of the structured layer of 1–2 mm.



PLAYGROUNDS



HELIOCRYL AQ

HELIOCRYL AQ is an environmentally and children friendly product for decorative purposes with excellent adhesion on asphalt or concrete surfaces. Arbitrary geometric shapes and circles can be created for playground games.

SIGNOSPORT

SIGNOSPORT is a 1C water-based paint for the colouring of grass areas. It is suitable for line markings for football fields, athletics tracks and other decorative finishing on grass fields.

SPRAY MARKING PAINTS

SPRAY MARKING PAINTS are ideal for fast and easy markings in parking slots and smaller renewal of existing markings for private or professional use.

HIGH FRICTION SURFACING



High friction surfacing provides the highest possible level of skid-resistance for road intercepts and other surfaces, where safety is a key issue – either for road users or pedestrians. Main applications are slippery angled curved road sections, in front of pedestrian crossings as fast breaking patches or high roughness cycle / pedestrian paths.

SIGNODUR Transparent/SIGNODUR Transparent TIX

Two-component cold plastic materials adapted for markings of smaller sized road patches, cycle paths and for decoration purposes with the use of aggregates. Suitable for manual applications with spatula or screed on asphalt and concrete surfaces.

SIGNOPUR 2C SF

Two-component coating composed of bio-based polyol binder and aliphatic isocyanate hardener. The special solvent free formulation provides semi-rigid, slip resistant, weather and UV durable coating with high abrasion resistance.

AIRPORTS



Road markings intended for airports are subjected to their own certification standards and guidelines and required to exhibit highest performance in terms of durability, weather and chemical resistance. Suitable products in road marking paints are typically either **acrylic or epoxy based, 1-component or 2-component**, respectively. KANSAI HELIOS offers one selected product for each group, certified according to relevant standards.

VERONIL A

One-component, High-Solid, non-aromatic solvent paint with **BASf certified**.

SIGNOCRYL 2C Epoxy

Two-component, High-Solid, non-aromatic solvent paint with **BASf certified**.

CONCRETE SUBSTRATES



Products intended for horizontal road signalization are primarily designed for use on asphalt surfaces, exhibiting porous and rough structure with high content of bitumen in the composition. It is crucial to ensure good adhesion of coatings to surfaces that will also determine the durability and functional life of the coating.

SIGNOCRYL 2C Epoxy

Highly durable, fast drying paint with good chemical and mechanical resistance. Applicable in unfavourable weather conditions and in high humidity areas.

SIGNOCRYL 2C Pur

High performance, two-component paint developed for high traffic loads. Applicable on asphalt and concrete surface.

REZISTOL Emajl 2C Pur / Emajl E DBS

SPECIALIZED PRODUCTS AND AUXILIARY MATERIALS



KANSAI HELIOS offers specialized products and auxiliary materials adapted to the customer needs. The assortment ranges from primers, to thinners and machinery cleaners, to reflective beads and many more.

PRODUCT OVERVIEW

ROAD MARKING PAINTS

SOLVENT-BASED 1C / AROMATIC-FREE SB PAINTS	DENSITY	High-Solid	AIRLESS	AIR SPRAY	WET FILM THICKNESS	TRAFFIC CLASS	White / yellow	Other color shades
VERONIL A	1,6	•	•	•	0.3–0.6 mm	P5–P6	•	
HELIOCRYL HS	1,6	•	•	•	0.4–0.6 mm	P5–P6	•	
SIGNOCRYL E	1,6	•	•	•	0.6 mm	P5–P6	•	•

SOLVENT-BASED 1C / AROMATIC SB PAINTS	DENSITY	High-Solid	AIRLESS	AIR SPRAY	WET FILM THICKNESS	TRAFFIC CLASS	White / yellow	Other color shades
SIGNOCRLY	1,5		•	•	0.4–0.6 mm	P5–P6	•	
SIGNOCRYL HS	1,6	•	•	•	0.3–0.6 mm	P5–P7	•	•
HELIOCRYL AS	1,6	•	•	•	0.4–0.6 mm	P5–P6	•	
HELIOCRYL	1,6	•	•	•	0.4–0.6 mm	P5–P6	•	

SB PAINTS FOR SPECIAL PERFORMANCE REQUIREMENTS	DENSITY	High-Solid	AIRLESS	AIR SPRAY	WET FILM THICKNESS	TRAFFIC CLASS	SPECIAL CHARACTERISTIC	White
HELIOCRYL AS 300	1,5	•	•	•	0.2–0.3 mm	P5–P6	Ultra low consumptions	•
SIGNOCRYL EXTREME	1,5	•	•	•	0.4–0.6 mm	P5–P6	Winter conditions	•
HELIOCRYL PREMIX	1,5	•	•		0.4–0.6 mm	P5–P6	Premix glass bead content	•

SOLVENT-BASED 2C	DENSITY	High-Solid	NON-AROMATIC	AIRLESS	AIR SPRAY	WET FILM THICKNESS	TRAFFIC CLASS	White / yellow / other colors*
SIGNOCRYL 2C EPOXY	1,6		•	•	•	0.4–0.6 mm	P5–P6	• *
SIGNOCRL TRAFFIC 2C PUR	1,5	•	•	•	•	0.5–0.6 mm	P5–P6	•

Water-based	DENSITY	High-Solid	AIRLESS	AIR SPRAY	WET FILM THICKNESS	TRAFFIC CLASS	White / yellow	Other color shades
HELIOCRYL AQ	1,6	•	•	•	0.3–0.6 mm	P5–P6	•	•

COLD PLASTIC SYSTEMS

Solid Content 100%, Fast curing

COLD SPRAY PLASTIC	DENSITY	1:1	98:2	AIRLESS	AIR SPRAY	FILM THICKNESS	TRAFFIC CLASS	White / yellow
SIGNODUR KSP 98:2 OR 1:1	1,55	•	•	•	•	0.3–0.6 mm	P6–P7	•
SIGNODUR KSP EQ 98:2 OR 1:1	1,65	•	•	•	•	0.3–0.6 mm	P6–P7	•

Solid Content 100%, THICKNESS UP TO 7mm, Fast curing

COLD PLASTIC	DENSITY	100:1	98:2	MANUAL	DOT	AGGLOMERATE	PROFILED	FILM THICKNESS
SIGNODUR STRUKTURAL	1,85	•	•		•	•	•	1.5–7 mm
SIGNODUR STRUKTURAL EQ	1,85	•	•		•	•	•	1.5–7 mm
SIGNODUR G	1,85	•		•				1.5–7 mm
SIGNODUR ROLL premix	1,85	•		•				1.5 –7 mm

THERMOPLASTIC MARKINGS

Solid Content 100%, THICKNESS UP TO 7mm, Fast curing

PRODUCTS	DENSITY	AIR SPRAY	EXTRUSION	MANUAL	DOT	AGGLOMERATE	PROFILED	FILM THICKNESS
HELIOTHERM	2,0		•	•	•		•	min. 2 mm
SIGNOTHERM	2,0		•	•	•		•	min. 2 mm

SMART SOLUTIONS

PRODUCTS	Type	DENSITY	Consumption	MANUAL	AIRLESS	AIR SPRAY	ANTISKID	Different color shades	Application
Signocryl KS	1C Paint	1,55	0.9–1 kg/m²		•		•	•	Pedestrian and bicycle paths
HELIOCRYL KS AQ	1C Paint	1,6	0.9–1 kg/m²	•	•	•	•	•	Pedestrian and bicycle paths, playgrounds
SIGNODUR transparent	2C Cold plastic	1,4	2.0–2.5 kg/m²	•			•	•	Pedestrian and bicycle paths, antiskid surfacing
SIGNODUR G Reibeplast	2C Cold plastic	1,85	depends on structure	•				•	Road signs, bicycle paths
SIGNODUR ROLL	2C Cold plastic	1,65	2.5–3.5 kg/m²	•			•	•	Road signs, bicycle paths
Signocryl 2C PUR	2C Paint	1,2	0.5–0.6 kg/m²	•	•	•		•	Garages, concrete surfaces
Signodur taktil	2C Cold plastic	1,8	depends on structure	•				•	Tactile guidelines

ICON LEGEND



1-component paints



2-component paints



Water-based paints



Plastic markings



Night-visibility on wet roads



Bicycle and pedestrian lane/area markings



Environmentally and children friendly markings



High friction surfacing



Airports



Concrete substrates



Specialized products and auxiliary materials



www.kansaihelios-roadmarkings.com

Part of  **KANSAI**
PAINT