

System solutions

CONSTRUCTION CATALOGUE

GROUP KANSAI HELIOS IN NUMBERS

560 mio €

in sales

145.000 m²

production areas

2.320

employees

200 +

employees in R&D

Delivering to more than

50.000

customers in more than
89 countries worldwide

24

companies in 16
European countries

100 years

of tradition

DEAR USERS,

we are pleased to present a new catalogue, which was carefully prepared and adapted to cover areas of project work and construction industry. The catalog contains a selection of frequent system solutions that we have designed from a wide range of KANSAI HELIOS Group products. You can find products that are result of knowledge in the coating industry, which has been developed in KANSAI HELIOS Group for more than 100 years. Today in Helios, more than 2.320 people make sure that you, our customers around the world, are satisfied with both the products and our solutions and support.

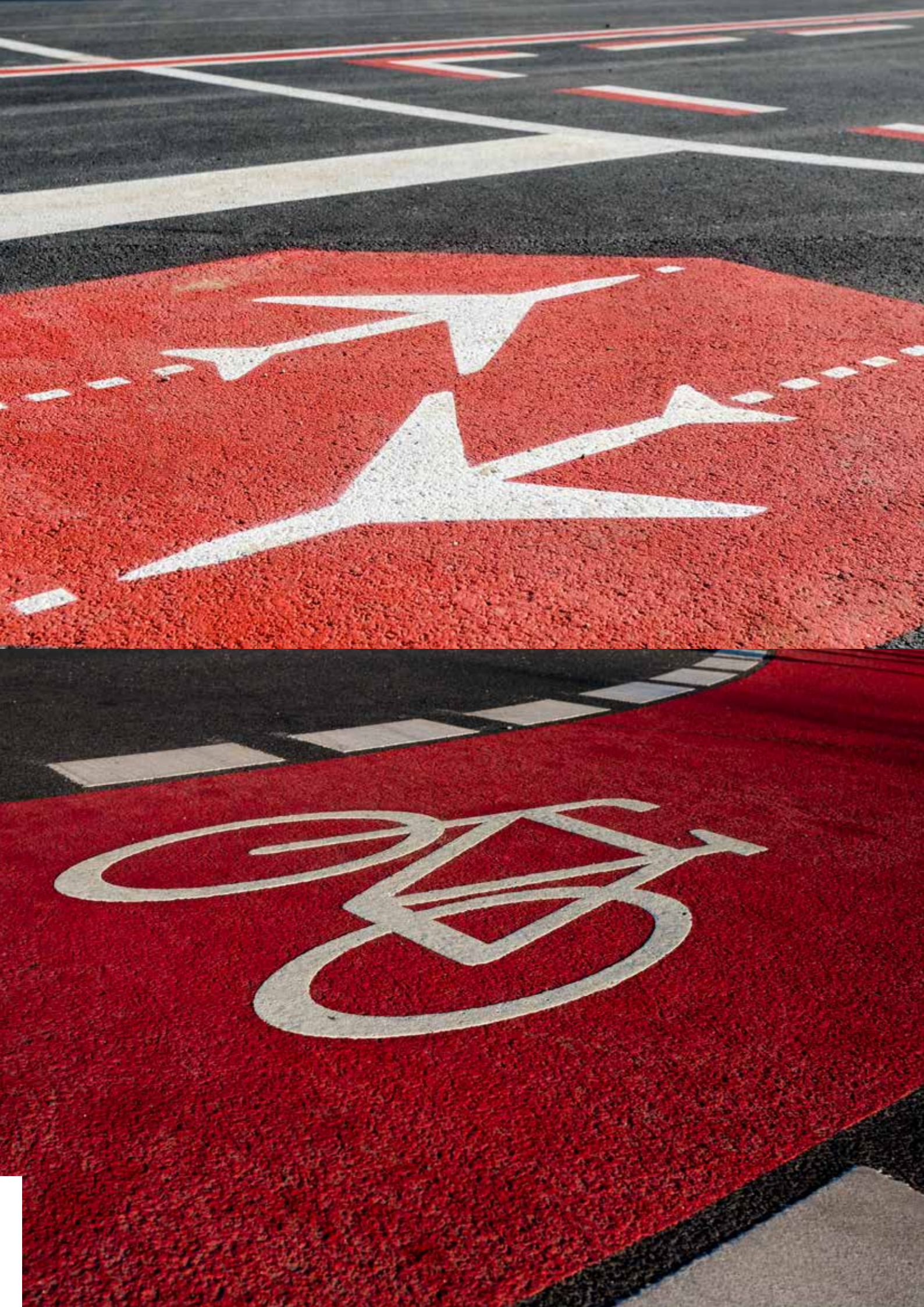
KANSAI HELIOS is one of the largest coating groups in the European market, so we can offer our customers numerous customized products and solutions. The complete offer includes segments of decorative, wood, metal, car refinishing and road coatings, as well as products for the chemical industry and synthetic resins. In 2017 HELIOS Group became a member of the global coatings group Kansai Paint. As part of one of the world's leading paint and coating manufacturers, KANSAI HELIOS is becoming a European center for innovation, research and development, production and distribution. In addition to this, we are introducing principles of sustainable development and care for the environment in all areas of our development and operation. This means that we are also developing new products and solutions in order to reduce our consumption of resources and carbon footprint. All companies in KANSAI HELIOS Group operate in accordance with the highest environmental, industrial and safety standards.

Dear users, we invite you to look through our catalogue and contact our experts, who will offer you the most appropriate solutions for your project with their useful advice and experience. Our successful cooperation and your ultimate satisfaction is what we all strive for in Helios and what will make us truly proud.

Sincerely,
KANSAI HELIOS Team

ROAD MARKINGS

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8.1 MARKING OF ASPHALT ROADS, PARKING LOTS, AIRPORTS AND TRANSPORT ROUTES

ASPHALT SURFACES	STEP 1	STEP 2	
HIGH TRAFFIC	• SIGNODUR G	glass beads	system certified with standard EN 1436
HIGH TRAFFIC	• SIGNODUR struktural	glass beads	system certified with standard EN 1436
MEDIUM TRAFFIC	• SIGNOCRYL	glass beads	system certified with standard EN 1436
MEDIUM TRAFFIC	• SIGNOCRYL AQ	glass beads	system certified with standard EN 1436

8.2 MARKING OF ASPHALT CYCLE PATHS

ASPHALT SURFACES	STEP 1	STEP 2
HIGH TRAFFIC	• SIGNODUR roll	glass beads
MEDIUM TRAFFIC	• SIGNOCRYL for bicycle paths	

8.3 MARKING OF CONCRETE ROADS, PARKING LOTS, AIRPORTS, TRANSPORT ROUTES AND THE DECORATION OF ASPHALT SURFACES

CONCRETE SURFACES	STEP 1	STEP 2	STEP 3	
HIGH TRAFFIC	• SIGNOCRYL 2K PUR primer	• SIGNODUR G or SIGNODUR struktural	glass beads	system certified with standard EN 1436
MEDIUM TRAFFIC	• SIGNOCRYL 2K PUR primer	• SIGNOCRYL	glass beads	system certified with standard EN 1436
DECORATIVE	• SIGNOCRYL 2K PUR			

8.4 MARKING GRASS SURFACES

GRASS SURFACES	STEP 1
SPORT GRASS FIELDS, ETC.	• SIGNOSPORT

8.1 Marking of asphalt roads, parking lots, airports and transport routes

Step 1

SIGNODUR G

Two-component thick coating for road-laying (2.0 – 2.5 mm)

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	two-component cold plastic for laying, basically designed for manual application, with good physico-chemical properties. The material is intended primarily for the production of unstructured signs. Intended for marking highly loaded asphalt roads.
COLOUR SHADES:	white, yellow, red, blue, green, black
MIXING RATIO	SIGNODUR G : powder catalyst = 100 : 1 SIGNODUR G : liquid catalyst = 98 : 2
CONSUMPTION:	4.0 kg/m ² at a dry film thickness of 2.0 mm and by the components 4.0 kg/m ² SIGNODUR G + 0.040 kg/m ² powder catalyst or 4.0 kg/m ² SIGNODUR G + 0.080 kg/m ² liquid catalyst
APPLICATION:	manual application with a trowel or with machines intended for laying two-component cold plastics.
PACKAGING UNITS:	15 kg / 30 kg for the white shade

SIGNODUR struktural

Two-component thick road coating for profiled application (1.5 – 7.0 mm)

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	two-component cold plastic for laying, basically designed for machine application, with good physico-chemical properties. A variety of surface structures can be created with the material, which provide greater safety with sound alerts when transporting signs and adequate night visibility in rainy weather. Intended for the structural marking of highly loaded asphalt roads.
COLOUR SHADES:	white, yellow, red, other shades by agreement
MIXING RATIO	SIGNODUR struktural : powder catalyst = 100 : 1 SIGNODUR struktural : liquid catalyst = 98 : 2
CONSUMPTION:	the thickness of the dry film depends on the method of application or the choice of profile (structural, agglomerate, spotflex) where the average material consumption is 2.5 - 3.0 kg/m ² + 0.030 kg/m ² powder catalyst or to 2.5 - 3.0 kg/m ² SIGNODUR struktural + 0.050 to 0.060 kg/m ² liquid catalyst. For a full line, the material consumption is min. 4.0 kg/m ² .
APPLICATION:	with machines intended for laying two-component cold plastics.
PACKAGING UNITS:	15 kg / 30 kg / 350 kg / 1600 kg / 1800 kg

SIGNOCRYL

Single-component paint for marking asphalt roads

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	single-component quick-drying solvent-based acrylic paint with a high proportion of dry matter and with good physico-chemical properties, for marking loaded asphalt roads.
COLOUR SHADES:	white, yellow, blue, red, green, black
CONSUMPTION:	0.5 – 0.8 kg/m ²
APPLICATION:	with all pneumatic and air-less machines suitable for applying single-component road paints.
PACKAGING UNITS:	3.5 kg / 25 kg / 30 kg / white also 1450 kg

SYGNOCRYL AQ

Single-component paint for marking asphalt roads

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	HELIOCRYL AQ is a single-component quick-drying water-based acrylic binder with a high proportion of dry matter and with good physico-chemical properties, for marking loaded asphalt roads.
COLOUR SHADES:	white, yellow
CONSUMPTION:	0.5 – 0.9 kg/m ²
APPLICATION:	with all pneumatic and air-less machines suitable for applying single-component road paints.
PACKAGING UNITS:	30 kg

Step 2

Glass beads

To ensure the night visibility of road markings

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	glass beads ensure the adequate night visibility of road markings in both dry and wet conditions.
GRANULATION:	different compositions are possible in the granulation range 100 – 1400 µm
CONSUMPTION:	0.3 – 1.0 kg/m ² depending on the chosen system and the granulation of the glass beads
APPLICATION:	with a special gun or manually on the marking immediately after the application of the base material.
PACKAGING UNITS:	25 kg

8.2 Marking of asphalt cycle paths

Step 1

SIGNODUR roll

Two-component thick-layer coating for bicycle path markings

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	two-component cold plastic type coating with good physico-chemical properties. The system is intended for marking more loaded cycling paths and the decoration of smaller asphalt and concrete surfaces; for marking cycle paths on roads.
COLOUR SHADES:	transparent, transparent red
MIXING RATIO	SIGNODUR transparent : powder catalyst = 100 : 1.8
CONSUMPTION:	material consumption depends on the application method and amounts to components from 2.0 to 2.5 kg/m ² SIGNODUR transparent + from 0.036 to 0.045 kg/m ² powder catalyst SPRINKLE CONSUMPTION: from 4.0 to 5.0 kg/m ² dry and non-powder sand aggregate with a granulation range of 0.7 to 2.0 mm. For marking cycle paths, it is recommended to use a very long-lasting red coloured quartz sand with a granulation range of 0.4 - 1.4 mm. Various shades of sand can be used for decorative purposes.
APPLICATION:	manual application with a trowel.
PACKAGING UNITS:	25 kg + 25 kg (coloured quartz sand)

SIGNOCRYL cycle paths

Single-component paint for marking cycle paths

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	single-component quick-drying solvent-based acrylic paint with added anti-skid and with good physico-chemical properties. Intended for painting cycle path, pedestrian zones and surfaces with special traffic safety requirements.
COLOUR SHADES:	red/brown, blue, green, other shades on agreement
CONSUMPTION:	0.8 – 1.0 kg/m ²
APPLICATION:	with all pneumatic machines suitable for applying single-component road paints. Application with airless machines is not recommended.
PACKAGING UNITS:	25 kg

8.3 Marking of concrete roads, parking lots, airports, transport routes
and decoration of asphalt surfaces

Step 1

SIGNOCRYL 2K PUR primer

two-component primer for increasing the adhesion of paint and cold plastic to concrete surfaces

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	SIGNO primer 2K PUR is a two-component polyurethane primer on the basis of acrylic binder and aliphatic isocyanate hardener. Intended to increase the adhesion of single-component and two-component road materials to concrete surfaces, for surface preparation for better adhesion.
COLOUR SHADES:	colourless
MIXING RATIO	SIGNO primer 2K PUR : SIGNO hardener 2K PUR = 8 : 1
CONSUMPTION:	A + B amounts to 0.1 – 0.4 kg/m ²
APPLICATION:	with all pneumatic and air-less machines suitable for applying single-component road paints or with a paint roller. Apply the finishing coat after the primer has dried, but not later than within 12 hours.
PACKAGING UNITS:	A - SIGNO primer 2K PUR (20 kg) / B - SIGNO hardener 2K PUR (2.5 kg)

SIGNOCRYL 2K PUR

two-component paint for marking concrete surfaces

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	two-component polyurethane paint on the basis of an acrylic binder and aliphatic isocyanate hardener. The paint is distinguished by its good chemical and mechanical resistance, and high UV resistance during long-term exposure. Intended for marking horizontal road signage on concrete surfaces and the decorative painting of concrete surfaces.
COLOUR SHADES:	white, yellow, other shades on agreement
MIXING RATIO	SIGNOCRYL 2K PUR: SIGNO hardener 2K PUR = 8 : 1
CONSUMPTION:	A + B amounts to 0.5 – 0.6 kg/m ²
APPLICATION:	with all pneumatic and air-less machines suitable for applying single-component road paints or with a paint roller in two coats.
PACKAGING UNITS:	A - SIGNO 2K PUR (20 kg) / B - SIGNO hardener 2K PUR (2.5 kg)

Step 2

SIGNODUR G

Two-component thick coating for road-laying (2.0 – 2.5 mm)

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	two-component cold plastic for laying, basically designed for manual application, with good physico-chemical properties. The material is intended primarily for the production of unstructured signs. Intended for marking highly loaded asphalt roads.
COLOUR SHADES:	white, yellow, red, blue, green, black
MIXING RATIO	SIGNODUR G : powder catalyst = 100 : 1 SIGNODUR G : liquid catalyst = 98 : 2
CONSUMPTION:	4.0 kg/m ² at a dry film thickness of 2.0 mm and by the components 4.0 kg/m ² SIGNODUR G + 0.040 kg/m ² powder catalyst or 4.0 kg/m ² SIGNODUR G + 0.080 kg/m ² liquid catalyst
APPLICATION:	manual application with a trowel or with machines intended for laying two-component cold plastics.
PACKAGING UNITS:	15 kg / 30 kg for the white shade

SIGNODUR struktural

Two-component thick road coating for profiled application (1.5 – 7.0 mm)

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	two-component cold plastic for laying, basically designed for machine application, with good physico-chemical properties. A variety of surface structures can be created with the material, which provide greater safety with sound alerts when transporting signs and adequate night visibility in rainy weather. Intended for the structural marking of highly loaded asphalt roads.
COLOUR SHADES:	white, yellow, red, other shades by agreement
MIXING RATIO	SIGNODUR struktural : powder catalyst = 100 : 1 SIGNODUR struktural : liquid catalyst = 98 : 2
CONSUMPTION:	the thickness of the dry film depends on the method of application or the choice of profile (structural, agglomerate, spotflex) where the average material consumption is 2.5 - 3.0 kg/m ² + 0.030 kg/m ² powder catalyst or to 2.5 - 3.0 kg/m ² SIGNODUR struktural + 0.050 to 0.060 kg/m ² liquid catalyst. For a full line, the material consumption is min. 4.0 kg/m ² .
APPLICATION:	with machines intended for laying two-component cold plastics.
PACKAGING UNITS:	15 kg / 30 kg / 350 kg / 1600 kg / 1800 kg

SIGNOCRYL

Single-component paint for marking asphalt roads

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	single-component quick-drying solvent-based acrylic paint with a high proportion of dry matter and with good physico-chemical properties, for marking loaded asphalt roads.
COLOUR SHADES:	white, yellow, blue, red, green, black
CONSUMPTION:	0.5 – 0.8 kg/m ²
APPLICATION:	with all pneumatic and air-less machines suitable for applying single-component road paints.
PACKAGING UNITS:	3.5 kg / 25 kg / 30 kg / white also 1450 kg

Step 3

Glass beads

To ensure the night visibility of road markings

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	glass beads ensure the adequate night visibility of road markings in both dry and wet conditions.
GRANULATION:	different compositions are possible in the granulation range 100 – 1400 µm
CONSUMPTION:	0.3 – 1.0 kg/m ² depending on the chosen system and the granulation of the glass beads
APPLICATION:	with a special gun or manually on the marking immediately after the application of the base material.
PACKAGING UNITS:	25 kg

8.4 Marking grass surfaces

Step 1

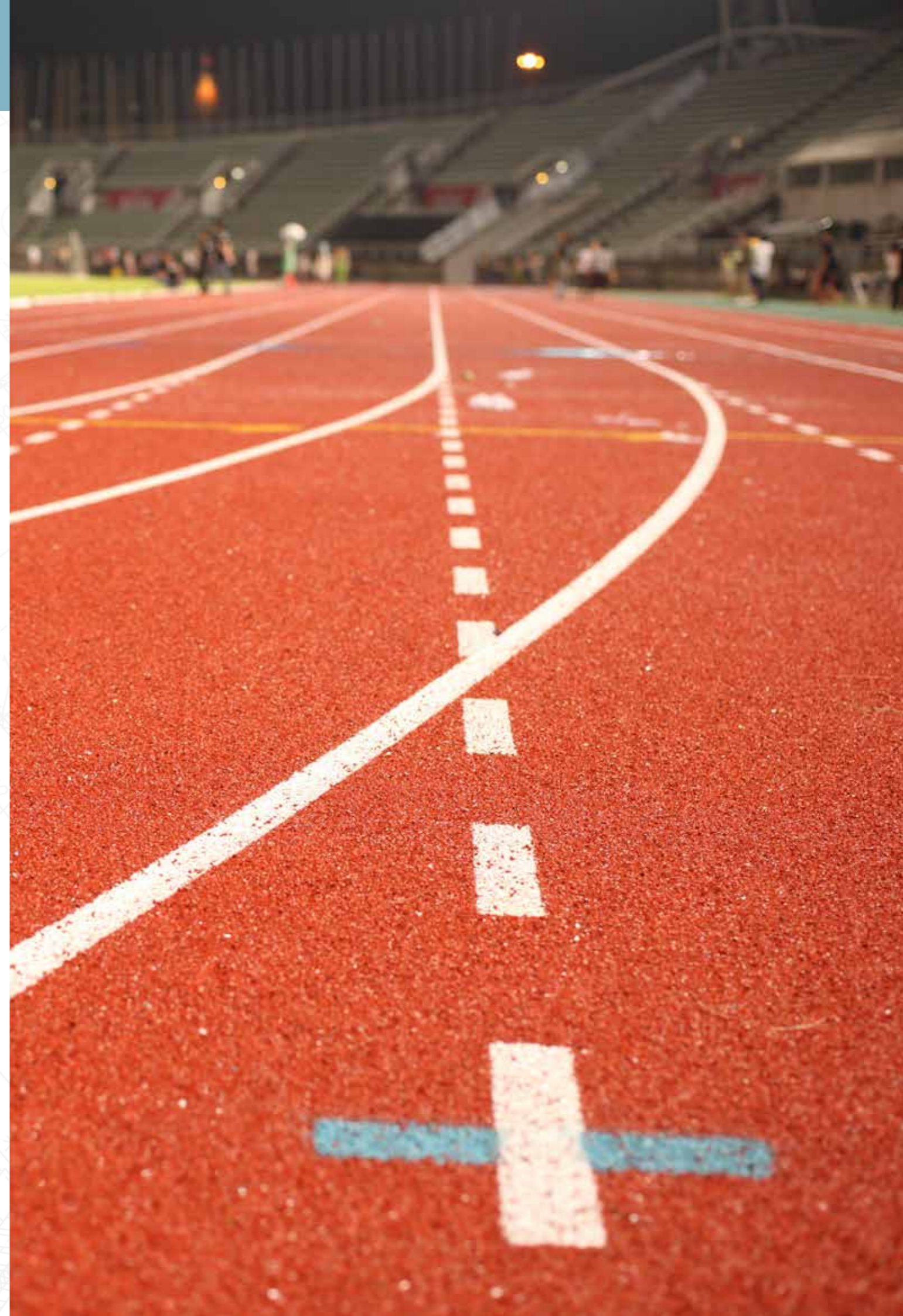
SIGNOSPORT

Single-component paint for marking grass surfaces

INSTRUCTIONS FOR USE

- quick-drying paint
- on the basis of water dispersion
- very good adhesion to grass
- excellent resistance to rain

AREA OF APPLICATION:	marking of grass sports pitches and decorative colouring of grass surfaces.
COLOUR SHADES:	white, other shades on agreement
CONSUMPTION:	0.3 kg/m ²
APPLICATION:	with pneumatic and air-less machines suitable for water systems.
PACKAGING UNITS:	25 kg



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