



# ROAD MARKING MATERIALS



HELIOS

**ROAD MARKING**

MATERIALS MEET

THE DEMAND FOR

MAXIMUM

**TRAFFIC SAFETY**

**DURABILITY**

**RELIABILITY**



# PASSION FOR SMART COATINGS



## THE EUROPEAN COATINGS GROUP

The Helios Group dates back to 1924 and today operates among the top ten coating companies in the European market. With 14 production sites, 145,000 m<sup>2</sup> production area and 30 own local sales forces, the Helios Group supplies over 15,000 customers in more than 60 countries worldwide.

## CONTINUOUS DEVELOPMENT

R&D at the Helios Group is very strong and organized in one of the most modern R&D facilities on the international market. Laboratories are fully equipped with advanced technology and know-how is regularly transferred among experts at the highest level. We understand the importance of innovation in all areas of our work and constantly encourage research, education, and expertise to create an innovative working environment where Helios' smart coatings are born.

## RESPECTING THE ENVIRONMENT

The group strictly follows European and global legislation requiring the introduction of cleaner and environmentally friendly technologies. Whilst developing new advanced products, the group is committed to principles of sustainable development, such as minimizing energy consumption and the impact on the environment.





Helios offers high-quality **SIGNODUR**, **SIGNOCRYL**, **VERONIL**, and **HELIOCRYL** road marking materials that are manufactured according to European EN standards and certified by independent European roads institutes. Our focus is on ensuring long-term customer satisfaction and continuously investing in the development of products achieving the highest environmental standards.



# ACRYLIC MARKING PAINTS

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FAST-DRYING ACRYLIC  
ROAD MARKING PAINTS  
GUARANTEE EXCELLENT  
DURABILITY AND ALLOW  
EASY APPLICATION.

AC



Acrylic marking paints provide a solution enabling easy application. These paints are durable and fast-drying and are used for road markings in thicknesses of up to 600 microns by conventional marking machines.

#### HIGHLIGHTS

- Low solvent content
- Excellent durability
- Easy application

#### SOLVENT-BASED PAINTS

1K

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

##### VERONIL A

A one-component, high-solid, fast-drying, acrylic, aromatic free, solvent-based paint with low solvent content, appropriate for new and maintenance markings. Suitable for all air-spraying and airless application machines.

##### SIGNOCRYL

A one-component, fast-drying, acrylic, aromatic, solvent-based paint, optimal for new and maintenance markings. Suitable for all air-spraying and airless application machines.



#### HIGHLIGHTS

- Fast drying time
- Excellent glass bead retention
- High resistance
- Great hiding power





## WATER-BASED PAINTS



**HELIOCRYL AQ** is a one-component fast-drying paint employing water-based dispersion with a high-solid content. **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.

### HELIOCRYL AQ

A one-component, environmentally-friendly, fast-drying, water-based acrylic paint, with high-solid content and good physical-chemical characteristics. Suitable for all conventional air-spraying and airless application machines commonly used for solvent-based paints.



## HIGHLIGHTS

- Extremely fast drying time
- Very high glass bead retention
- Low-to-zero VOC
- Short washout time



# ACRYLIC COLD SPRAY PLASTICS

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VERY FAST-CURING  
AND DURABLE ACRYLIC  
COLD-SPRAY PLASTICS  
ENSURING EXCELLENT  
NIGHT VISIBILITY, EVEN  
IN WET AND RAINY  
CONDITIONS.







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 in a mixing ratios of 98:2 or 1:1. 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 2K markings and is the best choice for structured road markings.

#### **SIGNODUR KSP 98:2**

#### **SIGNODUR KSP comp. A & comp. B**


A two-component cold plastic material designed for spraying employing different mixing ratio possibilities. Very fast curing time, long durability and excellent marking properties distinguish spray plastics.

#### HIGHLIGHTS

- Durable markings (for traffic loads of over 4 million)
- Excellent night visibility in wet conditions
- Low-to-medium thickness layer starting at 300 µm
- Fast curing time
- Solvent-free





The background of the entire page is a photograph of a multi-lane highway with several cars driving. A large, semi-transparent yellow rectangle is overlaid on the left and center of the image, serving as a backdrop for the text.

# ACRYLIC COLD PLASTICS

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ACRYLIC COLD PLASTICS  
GUARANTEE EXTREMELY  
HIGH DURABILITY UNDER  
HEAVY TRAFFIC  
CONDITIONS AND ENABLE  
MULTIPLE APPLICATION  
POSSIBILITIES.

PL





**SIGNODUR** 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 Type I (dry conditions) and Type II (wet conditions) road marking material, and can be applied by various methods.

#### **SIGNODUR STRUKTURAL**

A fast-curing, extremely durable road marking material, most commonly intended for machine application of different marking surface structures for excellent night-time visibility in wet and rainy conditions.

#### **SIGNODUR G**

A medium-fast-curing, extremely durable road marking material especially designed for manual application of pedestrian crossings, arrows, stop lines, and other road marking traffic signs. It is available in a full range of standard road marking colours.

#### HIGHLIGHTS

- Extremely high durability
- Multiple application methods
- Flat, structural, or regular dot application
- Snowplough resistant
- Special solutions for bicycle paths or the visually impaired





# SMART SOLUTIONS

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







**SIGNODUR** road markings offer customised solutions for specific purposes. Whether you are looking for the perfect solution for bicycle paths, pedestrian walkways, garages, airports, walkway solutions for the visually impaired, warehouses, or any other surface markings, Helios Group will provide the optimal customised solution.

## INCREASED ROAD SAFETY

### NOISE AND VIBRATION EFFECTS

#### **SIGNODUR STRUKTURAL**

A fast-curing, highly durable road marking material typically intended for machine application of different marking surface structures that guarantee higher safety with sound warnings and vibrations when crossing the markings. Two-component methacrylate-based cold plastics provide excellent visibility – also in wet conditions – and warning noise and vibration effects.



### SPEED REDUCTION WARNINGS

#### **SIGNODUR REIBEPLAST**

A medium-fast-curing, highly durable, road marking material, especially designed for manual application of anti-skid surfaces or warning lines of up to 7mm thickness. This two-component cold plastic allows profiled traffic slow-down features to provide safer and more visible and audible speed-reduction warnings.



### ANTISKID BREAKING EFFECT

#### **SIGNODUR TRANSPARENT**

A medium-fast-curing, highly durable, road marking material, especially designed for manual application of braking areas before pedestrian crossings. The combination of materials with sharp hardness sands creates excellent anti-skid surfaces. **SIGNODUR** Transparent provides a high-friction safety surfacing solution, enabling a non-skid braking effect.







## DECORATIVE AND FUNCTIONAL

### BICYCLE PATHS AND PEDESTRIAN WALKWAYS



#### **SIGNOCRYL cycle path**

A specially designed one-component acrylic-solvent-based anti-skid paint for bicycle path markings.

### WALKWAYS FOR THE VISUALLY IMPAIRED



#### **SIGNODUR STRUKTURAL**

A fast-curing, highly durable, road marking material intended for machine application of different marking surface structures, including tactile safety lines.

### GARAGES AND PRODUCTION AREAS



#### **SIGNOCRYL 2K PUR**

A two-component polyurethane system that offers quality indoor traffic markings on concrete surfaces. Especially suitable for garage and production area markings. A wide range of colour shades also satisfies decorative needs.





# GLASS BEADS AND QUARTZ SAND

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HIGH RETROREFLECTIVITY  
AND ANTI-SKID  
CHARACTERISTICS ARE  
ACHIEVED BY INNOVATIVE  
HIGH-PERFORMANCE  
BLENDS OF SPECIALLY  
DEVELOPED MATERIALS.







## GLASS BEADS AND QUARTZ SANDS

Glass beads and quartz sand are necessary for road marking solutions with high retroreflectivity and anti-skid characteristics to increase road safety. Very high retroreflectivity can be achieved also in particularly critical road sections such as tunnels by means of innovative high-performance blends of specially developed glass beads.







HELIOS ROAD

**MARKING**

MATERIALS

ENSURE THE

UTMOST **ROAD**

**SAFETY**, WHILE

MEETING THE

**HIGHEST**

**ENVIRONMENTAL**

**STANDARDS.**







## EXTREMELY HEAVY TRAFFIC / ACRYLIC COLD PLASTICS

SOLID CONTENT: 100%, THICKNESS UP TO 7 mm, FAST CURING

ACRYLIC COLD PLASTICS	SYSTEM			APPLICATION						
	DENSITY	100:1	98:2	MANUAL	EXTRUDOR	AGGLOMERATES	DOTED	TAKTILE	ANTISKID	FILM THICKNESS
SIGNODUR struktural	1,85	•	•	•	•	•	•	•		2 mm
SIGNODUR G	1,85	•	•	•	•			•		2 mm
SIGNODUR G reibeplast	1,85	•	•	•	•				•	up to 7 mm

## VERY HEAVY TRAFFIC / ACRYLIC COLD SPRAY PLASTICS AND POLIURETANS

SOLID CONTENT: 100% KSP; 75% PUR, THICKNESS UP TO 1 mm, VERY FAST CURING

ACRYLIC COLD SPRAY PLASTICS AND POLIURETANS	DENSITY	SYSTEM			APPLICATION	WET FILM THICKNESS
		98:2	1:1	DIFFERENT RATIOS		
SIGNODUR KSP	1,55	•	•		Spraying	0,4 - 1 mm
SIGNOCRYL traffic 2K PUR	1,55			•	Spraying	0,5 mm

## HEAVY TRAFFIC / ACRYLIC MARKING PAINTS

SOLID CONTENT: ≥ 75%, THICKNESS UP TO 0,6 mm, FAST DRYING

ACRYLIC MARKING PAINTS	DENSITY	SOLVENT			APPLICATION		WET FILM THICKNESS
		NON - AROMATIC	AROMATIC	WATER	AIRLESS	AIR SPRAY	
VERONIL A	1,60	•			•		0,4 - 0,6 mm
SIGNOCRYL (E)	1,58	•	•		•	•	0,4 - 0,6 mm
HELIOCRYL (HS)	1,60	•	•		•	•	0,4 - 0,6 mm
HELIOCRYL AQ	1,63			•	•	•	0,4 - 0,6 mm

(E, HS) environmentally friendly

## MODERATELY HEAVY TRAFFIC / ACRYLIC MARKING PAINTS

SOLID CONTENT: ≥ 75%, THICKNESS UP TO 0,6 mm, FAST DRYING

ACRYLIC MARKING PAINTS	DENSITY	SOLVENT		APPLICATION		WET FILM THICKNESS
		NON - AROMATIC	AROMATIC	AIRLESS	AIR SPRAY	
HELIOCRYL (E) Basic	1,55	•	•	•	•	0,4 - 0,6 mm
SIGNOCRYL (E) Basic	1,55	•	•	•	•	0,4 - 0,6 mm

(E) environmentally friendly

## SPECIAL SOLUTIONS / MARKING PAINTS & ACRYLIC COLD PLASTICS

SPECIAL SOLUTIONS	MARKING PAINTS	ACRYLIC COLD PLASTICS
BICYCLE PATHS and other decorative or anti-skid solutions	SIGNOCRYL Cycle Paths	SIGNODUR (Struktural, G, G Reibeplast, Roll) SIGNODUR Transparent with aggregate
SPEED REDUCTION WARNINGS		SIGNODUR G Reibeplast
INDOOR MARKING on concrete	SIGNOCRYL 2K PUR	





ISO 9001  
ISO 14001  
BUREAU VERITAS  
Certification



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