ROAD MARKING MATERIALS
HELIOS ROAD MARKING MATERIALS MEET THE DEMAND FOR MAXIMUM TRAFFIC SAFETY DURABILITY RELIABILITY
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 m² 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 SIGNAKOL, 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

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

SOLVENT-BASED PAINTS

SIGNAKOL, 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.

SIGNAKOL 1050, VERONIL A
A one-component, high-solid, fast-drying, acrylic, aromatic, solvent-based paint with low solvent content, appropriate for new and maintenance markings. Suitable for all air-spraying and airless application machines.

SIGNAKOL P5, 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

- Low solvent content
- Excellent durability
- Easy application

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

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
ACRYLIC COLD PLASTICS

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

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**

**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.

**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.

**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.
<table>
<thead>
<tr>
<th>DECORATIVE AND FUNCTIONAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BICYCLE PATHS AND PEDESTRIAN WALKWAYS</strong></td>
</tr>
<tr>
<td><strong>SIGNOCRYL cycle path</strong></td>
</tr>
<tr>
<td>A specially designed one-component acrylic-solvent-based anti-skid paint for bicycle path markings.</td>
</tr>
<tr>
<td><strong>WALKWAYS FOR THE VISUALLY IMPAIRED</strong></td>
</tr>
<tr>
<td><strong>SIGNODUR STRUKTURAL</strong></td>
</tr>
<tr>
<td>A fast-curing, highly durable, road marking material intended for machine application of different marking surface structures, including tactile safety lines.</td>
</tr>
<tr>
<td><strong>GARAGES AND PRODUCTION AREAS</strong></td>
</tr>
<tr>
<td><strong>SIGNOCRYL 2K PUR</strong></td>
</tr>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>
GLASS BEADS AND QUARTZ SAND

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.
ACRYLIC MARKING PAINTS

DENSITY NON-AROMATIC

AROMATIC

WATER

AIRLESS

AIR SPRAY

WET FILM

THICKNESS

SIGNAKOL P5 1,52 • • • 0,4 – 0,6 mm

VERONIL A 1,60 • • • 0,4 – 0,6 mm

SIGNAKOL 1050 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

ACRYLIC COLD SPRAY PLASTICS

AND POLIURETANS

DENSITY 98:2 1:1 DIFFERENT RATIOS APPLICATION

WET FILM

THICKNESS

SIGNODUR KSP 1,55 • • Spraying 0,4 - 1 mm

SIGNOCRYL traffic 2K PUR 1,55 • Spraying 0,5 mm

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

ACRYLIC COLD PLASTICS

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 • • • • • do 7 mm

HELIOCRYL (E) Basic 1,55 • • • • 0,4 – 0,6 mm

SIGNOCRYL (E) Basic 1,55 • • • • 0,4 – 0,6 mm
### Extremely Heavy Traffic / Acrylic Cold Plastics

**Solid Content:** 100%, Thickness up to 7 mm, Fast Curing

<table>
<thead>
<tr>
<th>ACRYLIC COLD PLASTICS</th>
<th>DENSITY</th>
<th>100:1</th>
<th>98:2</th>
<th>MANUAL</th>
<th>EXTRUDOR</th>
<th>AGGLOMERATES</th>
<th>DOTTED</th>
<th>TAKTILE</th>
<th>ANTISKID</th>
<th>FILM THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIGNODUR struktural</td>
<td>1,85</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>2 mm</td>
</tr>
<tr>
<td>SIGNODUR G</td>
<td>1,85</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>2 mm</td>
</tr>
<tr>
<td>SIGNODUR G reibeplast</td>
<td>1,85</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>do 7 mm</td>
<td>•</td>
<td></td>
</tr>
</tbody>
</table>

### Very Heavy Traffic / Acrylic Cold Spray Plastics and Poliuretans

**Solid Content:** 100% KSP; 75% PUR, Thickness up to 1 mm, Very Fast Curing

<table>
<thead>
<tr>
<th>ACRYLIC COLD SPRAY PLASTICS AND POLIURETANS</th>
<th>DENSITY</th>
<th>98:2</th>
<th>1:1</th>
<th>DIFFERENT RATIOS</th>
<th>APPLICATION</th>
<th>WET FILM THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIGNODUR KSP</td>
<td>1,55</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>Spraying</td>
<td>0,4 - 1 mm</td>
</tr>
<tr>
<td>SIGNOCRYL traffic 2K PUR</td>
<td>1,55</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>Spraying</td>
<td>0,5 mm</td>
</tr>
</tbody>
</table>

### Heavy Traffic / Acrylic Marking Paints

**Solid Content:** ≥ 75%, Thickness up to 0,6 mm, Fast Drying

<table>
<thead>
<tr>
<th>ACRYLIC MARKING PAINTS</th>
<th>DENSITY</th>
<th>NON-AROMATIC</th>
<th>AROMATIC</th>
<th>WATER</th>
<th>AIRLESS</th>
<th>AIR SPRAY</th>
<th>WET FILM THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIGNAKOL P5</td>
<td>1,52</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>0,4 – 0,6 mm</td>
</tr>
<tr>
<td>VERONIL A</td>
<td>1,60</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>0,4 – 0,6 mm</td>
</tr>
<tr>
<td>SIGNAKOL 1050</td>
<td>1,60</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>0,4 – 0,6 mm</td>
</tr>
<tr>
<td>SIGNOCRYL (E)</td>
<td>1,58</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>0,4 – 0,6 mm</td>
</tr>
<tr>
<td>HELIOCRYL (HS)</td>
<td>1,60</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>0,4 – 0,6 mm</td>
</tr>
<tr>
<td>HELIOCRYL AQ</td>
<td>1,63</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>0,4 – 0,6 mm</td>
</tr>
</tbody>
</table>

(E, HS) environmentally friendly

### Moderately Heavy Traffic / Acrylic Marking Paints

**Solid Content:** ≥ 75%, Thickness up to 0,6 mm, Fast Drying

<table>
<thead>
<tr>
<th>ACRYLIC MARKING PAINTS</th>
<th>DENSITY</th>
<th>NON-AROMATIC</th>
<th>AROMATIC</th>
<th>WATER</th>
<th>AIRLESS</th>
<th>AIR SPRAY</th>
<th>WET FILM THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HELIOCRYL (E) Basic</td>
<td>1,55</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>0,4 – 0,6 mm</td>
</tr>
<tr>
<td>SIGNOCRYL (E) Basic</td>
<td>1,55</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>0,4 – 0,6 mm</td>
</tr>
</tbody>
</table>

(E) environmentally friendly

### Special Solutions / Marking Paints & Acrylic Cold Plastics

<table>
<thead>
<tr>
<th>SPECIAL SOLUTIONS</th>
<th>MARKING PAINTS</th>
<th>ACRYLIC COLD PLASTICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BICYCLE PATHS</td>
<td>SIGNOCRYL Cycle Paths</td>
<td>SIGNODUR Struktural, G, G Reibeplast, Roll</td>
</tr>
<tr>
<td>and other decorative or anti-skid solutions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPEED REDUCTION WARNINGS</td>
<td>SIGNOCRYL 2K PUR</td>
<td></td>
</tr>
<tr>
<td>INDOOR MARKING on concrete</td>
<td></td>
<td>SIGNODUR G Reibeplast</td>
</tr>
</tbody>
</table>