RAILWAY COATINGS WORLDWIDE
COMBINED STRENGTHS, KNOW-HOW AND QUALITY
Since 2014 the experienced coating producers Helios in Slovenia and Rembrandtin in Austria have been combining their concentrated competence in the field of railway coatings. Under the brand RAILTEC, they form one of the largest segments within the European Helios Group. Our high-quality railway coatings are used for railway vehicles in more than 40 countries all over the world. The product portfolio includes solventborne or waterborne as well as one-component or two-component systems and putty.

INTERNATIONAL CERTIFICATIONS
All railway coating products are regularly certified to ensure high-quality standards and high performance. The group is committed to the principles of sustainable development, integrity, and value creation. Rembrandtin is equipped with international certifications for its tailored solutions for local and long distance trains as well as for goods wagons.

CONTINUOUS DEVELOPMENT
R&D at 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 and Rembrandtin coatings are born.

HELIOS AND REMBRANDTIN STAND FOR COMPLETE AND RELIABLE COATING SOLUTIONS, CERTIFIED SYSTEMS AND LONG-TERM EXPERIENCE IN THE FIELD OF RAILWAY COATINGS.
RAILWAY COATINGS FOR THE FUTURE

Helios and Rembrandtin cover all demands in the field of railway coatings and offer a great variety of different coating types:
- solventborne
- waterborne
- one-component systems
- two-component systems
- putty

At our products guarantee the easiest processing. They are extremely environmentally friendly, VOC compliant, easy to repair and fast drying. They protect trains against corrosion, changes in colour shade, graffiti and other damages – permanently. Economic efficiency is guaranteed.

We place great value on innovation, appearance and design. Decorative effects are more important than ever, especially in public transport. Our coatings enable a variety of designs: metallic and effect coatings are universally possible on the most varied surfaces.

HELIOS OFFERS NINE DIFFERENT SYSTEMS OF SOLVENTBORNE RAILWAY COATINGS.

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THE PRODUCT PORTFOLIO OF REMBRANDTIN INCLUDES WATERBORNE COATINGS, SOLVENTBORNE COATINGS AND PUTTY:

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HELIOS RAILWAY COATING SOLUTIONS

SYSTEM 1
Helios 2K primer E-Zp
Helios 2K PUR enamel 3:1
Helios 2K lak antigrafiti

- Highly decorative properties
- Non-stick surface that resists both dirt and graffiti
- Durability of 10 years
- Resistant to aggressive detergents when washing

SYSTEM 2
Helios 1K primer PBF
Helios 1K Topcoat A

- Good corrosion protection
- Easy to use
- Fast drying
- Durability of 6 years

SYSTEM 3
Helios 2K primer E-Zp
Helios 2K PUR topcoat 3:1

- Highly decorative properties also on non-smooth surfaces
- Easy to apply
- Durability of 10 years

SYSTEM 4
Helios 2K primer E-Al
Helios 2K primer PE
Helios basecoat
Helios 2K PUR clearcoat 2:1

- Easy to apply multi-coloured surfaces
- Highly decorative
- Superb anticorrosion properties
- Durability of 12 years

SYSTEM 5
Helios 2K primer E-Al
Helios 2K primer PE
Helios 2K PUR topcoat 3:1
Helios 2K PUR clearcoat 2:1

- Highly decorative
- Superb anticorrosion properties
- Durability of 12 years

SYSTEM 6
Helios 2K one-layer E (E-ZP)

- Resistant to static contact with salt water, gasoline, and other aggressive materials
- Suitable for recoating with anti-sound and anti-vibration materials and adhesives
- High shock resistance
- Durability of 5 years

SYSTEM 7
Helios 1K one-layer EE

- Reduce paint and bake cycles
- Reduce energy use and maintenance costs
- Increased productivity

SYSTEM 8
Helios 2K primer E-Al
Helios 2K PUR primer 3:1 mix

- Excellent UV resistance
- Very good chemical resistance
- Easy to clean
- Durability of 10 years

SYSTEM 9
Helios 2K primer E-Zp
Helios 2K PUR topcoat 3:1

- The ideal solution for electric locomotives roofs
- Resistant to extremely high temperatures over very short times
- The superior anticorrosion properties extend the durability
- Durability of 12 years
OUR RAILWAY COATINGS SET THE COURSE FOR EASY APPLICATION, ATTRACTIVE DESIGN AND PERMANENT CORROSION PROTECTION.

HELIOS REFERENCES

Passengers wagons:
• LUGANSK TEPEVOZ, Ukraine
• RJKOVSKI VAGONOSTROJITELNI ZAVOD, Ukraine
• TKS, Ukraine
• MDS, Ukraine

Locomotives:
• KOLOMENSKI TEPEVOZOSTROJITELNI ZAVOD, Kolomna
• NEVZ, Russia
• BMZ, Russia

Diesel trains:
• RADE KONČAR, Croatia
• GREDELJ, Croatia
• DMZ, Russia
• CD PTUJ, Slovenia
• METROVAGONMAŠ, Russia

Cargo wagons:
• Đuro Đaković, Croatia
• KRUJKOVSKI VAGONOSTROJITELNI ZAVOD, Ukraine
SOLVENTBORNE COATING SYSTEMS

2K Epoxy Primer / Filler
EPOXY 41 UNIVERSAL PRIMER, EPOXY 51 UNIVERSAL PRIMER:
- Can be used on steel, aluminium, stainless steel, nitro and various plastics (GFRP)
- High corrosion protection
- Plasticized

EPOXY 41 UNIVERSAL PRIMER, EPOXY 51 UNIVERSAL PRIMER:
- Can be used on steel, aluminium, stainless steel, nitro and various plastics (GFRP)
- High corrosion protection
- Plasticized

2K Epoxy Top Coat
REMOPLAST DS GLIMMER:
- High mechanical resistance
- High chemical resistance
- Plasticized
- For thick-layer application

2K Epoxy Top Coat
REMOPLAST DS GLIMMER:
- High mechanical resistance
- High chemical resistance
- Plasticized
- Fort thick-layer application

2K PUR Primer
REM PUR 81 PRIMER:
- Can be used on aluminium and plastic
- Fast drying

2K PUR Filler
AQUA FILLER 41:
- High filling property
- Fast drying
- Good grindability

2K PUR Filler
AQUA FILLER 41:
- High filling property
- Fast drying
- Good grindability

2K PUR Filler
PUR PRIMER 51:
- High filling property
- Fast drying
- Good grindability

REM ACRYL 21, PUR 31 LACQUER, REM ACRYL 51:
- High covering power
- Maximum gloss and colour shade stability
- High resistance to and easy removal of graffiti
- High chemical resistance
- Good chemical resistance

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- High covering power
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REMBRANDTIN COATING SYSTEMS FOR LOCAL AND LONG DISTANCE TRAINS

WATERBORNE COATING SYSTEMS

2K Epoxy Primer
EPOXY 61 S PRIMER:
- Can be used on steel, aluminium, stainless steel
- High corrosion protection
- Plasticized

2K Epoxy Top Coat
EPOXY 61 S TOP COAT:
- High mechanical resistance
- High chemical resistance
- Plasticized
- For thick-layer application

2K Epoxy Top Coat
EPOXY 61 S TOP COAT:
- High mechanical resistance
- High chemical resistance
- Plasticized
- For thick-layer application

2K PUR Primer
REM PUR 81 PRIMER:
- Can be used on aluminium and plastic
- Fast drying

2K PUR Filler
AQUA FILLER 41:
- High filling property
- Fast drying
- Good grindability

2K PUR Filler
AQUA FILLER 41:
- High filling property
- Fast drying
- Good grindability

2K PUR Base Coat / Clear Coat
REM PUR 610/REM AQUA BASE COAT 101, REM PUR 310 CLEAR COAT:
- High covering power
- Maximum gloss and colour shade stability
- High resistance to and easy removal of graffiti
- Additional protective layer through clear coat
- Percentage of solvent in clear coat < 10%
- High chemical resistance
- For high-quality water paint system

2K PUR Base Coat / Clear Coat
REM PUR 610/REM AQUA BASE COAT 101, REM PUR 310 CLEAR COAT:
- High covering power
- Maximum gloss and colour shade stability
- High resistance to and easy removal of graffiti
- Additional protective layer through clear coat
- Percentage of solvent in clear coat < 10%
- High chemical resistance
- For high-quality water paint system

PUTTY

• Long-term putty: 2K EPOXY and PE Putty
• Short-term putty: PE fiber putty, PE fine putty

• Approved fire protection according to EN 45545/2
SOLVENTBORNE COATING SYSTEMS

2K Epoxy Primer / Filler
EPOXY 51 UNIVERSAL PRIMER:
- Can be used on steel, aluminium, stainless steel and nitro
- High corrosion protection
- Plasticized

2K Epoxy Top Coat
EPOXY 61 S TOP COAT:
- High mechanical resistance
- High chemical resistance
- Plasticized

REMBRANDTIN COATING SYSTEMS
FOR GOODS WAGONS

WATERBORNE COATING SYSTEMS

2K Epoxy Primer
EPOXY 61 S PRIMER:
- Can be used on steel, aluminium, stainless steel
- High corrosion protection
- Plasticized

2K Epoxy Top Coat
EPOXY 61 S TOP COAT:
- High mechanical resistance
- High chemical resistance
- Plasticized

2K Epoxy Monolayer
Rem ML 61 S:
- High corrosion protection
- Allows very high layer thickness

High Solid Epoxy Monolayer
Rem EP ES LACQUER:
- Excellent corrosion protection
- Solid content up to 70%

2K PUR Top Coat
REM PUR 510 TOP COAT, REM PUR 310 TOP COAT:
- High covering power
- Good gloss and colour-shade stability
- Economical

REM PUR Top Coat
REM ACRYL 51:
- High covering power
- Color-shade stable and high gloss
- High resistance to and easy removal of graffiti
- High resistance to chemicals

Single Layer Coatings
KH-ES LACQUER, KH-ES LACQUER ÖBB:
- Maximum economic efficiency
- Simple application

REMBRANDTIN REFERENCES

REMBRANDTIN PROTECTS

Local trains:
- Tram Marseille
- Tram Vienna, Innsbruck, Linz
- Tram Porto
- Tram Manchester
- Tram Stockholm
- Tram Eskisehir
- Tram Colonie
- Tram Istanbul
- Tram Valencia
- Tram Budapest
- Metro Vienna V-Wagon
- Metro Bangkok
- Metro Singapur
- Metro Sao Paulo

Long distance trains:
- Trenitalia Italy
- TPC, Regio Olten, TC 250, CJ, MOB, Swiss
- Regio Olten, Swiss
- TAG Holland
- Helsinki, Finland
- Passenger coach ÖBB-Railjet, double passenger coach ÖBB Austria
- Passenger coach Israel
- Passenger coach Iran
- Passenger coach Bulgaria
- Passenger coach Great Britain
- Sleeping coach Germany
- Sleeping coach Czech Republic

Goods Wagons:
- Greek Railway
- Deutsche Bahn (German Railway)
- ÖBB (Austrian Railway)
- SBB (Swiss Railway)
- Rail Cargo Austria
- Goods wagons throughout Europe
INTERNATIONAL APPROVALS

Helios and Rembrandtin railway coating systems are tested in practice and approved by a multitude of well-known railway companies in different countries. They are approved by the JSC Railway Research Institute (VNIIZHT) and are listed according GOST standards. Our customers include manufacturers of the international railway vehicle industry in more than 40 countries worldwide – from the MAGLEV railway in Shanghai to the most recent fleet of the SBB Swiss Federal Railway. You too can profit from our approvals!

CUSTOMERS WORLDWIDE BENEFIT FROM OUR EFFICIENT, ECONOMIC AND ENVIRONMENTALLY FRIENDLY COATING SYSTEMS FOR DIFFERENT DEMANDS.