

**MOBIHEL<sup>®</sup>**

... for the cars we love

by  HELIOS



## HELIOS GROUP

**Mobihel** is the core refinish coatings brand of the Helios Group, whose beginnings date back to 1924. Helios Group comprises over 30 companies and it's one of the European coatings market leaders in specialty coatings and resins.

Benefiting from the group's rich know-how, experience in the automotive coatings and multiple cooperation's as supplier in both OEM and refinish markets, **Mobihel** was born as a premium quality alternative offering a high value for money ratio.

A specialist of both technology demanding, highly environmental regulated as well as price sensitive markets, **Mobihel** developed during the years into one of the most known refinish brands in Europe & Middle East.



## HELIOS REFINISH

**Mobihel** addresses mainly the independent bodyshops in search for high-quality and reliable repairs at thoroughly controlled costs and excellent economic performance.

**Key facts:**

- Headquarters and production in Domžale, Slovenia.
- Present in over 63 countries.
- Market leader of the refinish CEE markets and CIS.
- 9 Training Centers worldwide.
- Complete, cost efficient and modern refinish solutions for passenger cars, commercial vehicles and light industry.
- VOC compliant as well as conventional solvent-based ranges of products.
- Premium colouristic and integrated colour tools.
- Customized technical support.
- Multistage training academy.



## TOP COAT SYSTEMS

**Mobihel top coat systems** are designed to provide a very easy and fast repair process, providing high **throughput** and reliable results, thus reducing **key-to-key** time.

- Excellent colour matching accompanied by premium colour tools solutions.
- Fast, easy and reliable identification of the colour and the repair result.
- Painter friendly application.
- Less training needed due to similar application techniques between water-based or solvent-based base coats.
- Excellent covering power from the first passing.
- Rapid flash-off times.
- Easy and safe repair of the base coat film in case of small defects, prior to clear coat application.
- Fast in-depth film drying.

# TOP COAT SYSTEMS

ABOUT US

TOP COAT SYSTEMS

COLOUR COMPETENCE

INTEGRATED  
SUPPLY SYSTEM

PRODUCTS

CONTACT US

## DIRECT GLOSS



MOBIHEL 2K ACRYLIC ENAMEL

31 solid colours mixing bases

>45.000 colours

- Worldwide car makes.
- From 1920's to present time.

- Fast flash-off and safe in-depth film curing.

- Excellent spraying properties.
- Very smooth film surface.

## BASE + CLEAR

### SOLVENT-BASED



MOBIHEL BASE

77 mixing bases:

- 41 Solids
- 12 Metallics
- 15 Pearls
- 6 Xirallics
- 2 flop additive
- 1 additive for 3-layer painting

>230.000 colours

- Worldwide car makes.
- From 1920's to present time.

- Very fast flash-off and in-depth film drying.
- Immediate repair after matting possible.

- Excellent spraying properties.
- Uniform results and effect properties.
- Very easy fade-out.

### WATER-BASED



MOBIHEL HYDRO BASE

69 mixing bases:

- 35 Solids
- 10 Metallics
- 15 Pearls
- 6 Xirallics
- 2 flop additive
- 1 additive for 3-layer painting

> 160.000 colours

- Worldwide car makes.
- From 1950's to present time.

- Rapid flash-off and in-depth film drying.
- Immediate repair after matting possible.

- Excellent spraying properties.
- Uniform results and effect properties.
- Easy fade-out.
- Solvent like application.

# COLOUR COMPETENCE

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## Colour Navigator Formulation software



- Professional colour management software.
- Over 550.000 colours database for different coating qualities.
- Cover complete requirements from classic colours (1920's) to latest colour trends (matt, structured, etc.).
- Universal search optimized database.
- Automatic cross-referencing of difficult, complex and OEM specific colour coding.
- Worldwide centralized database.
- Clear display of the regional variants and most used variants.
- Visual display of colours lists – for a quick and easy identification when colour code is unknown.
- Fast search and results.
- Price management.
- Custom formulations.
- User friendly designed interface.
- Quick and easy operation – less click's required to mixing stage.
- Scale connected weighing with visual and sound indicators for an accurate mixing.
- Regular 2-3 updates per year, or
- Automatic online updating .
- Web based version availability.
- Pre-set for connecting with all existing scales, scanners and label printers.
- Colour Wizard connection.

By using in combination the Mobihel Formulation Software, the Colour Box Expert and the Colour Wizard you obtain a complete Colour Management Solution that ensures fast and perfect colour process and repair.

# COLOUR COMPETENCE

ABOUT US

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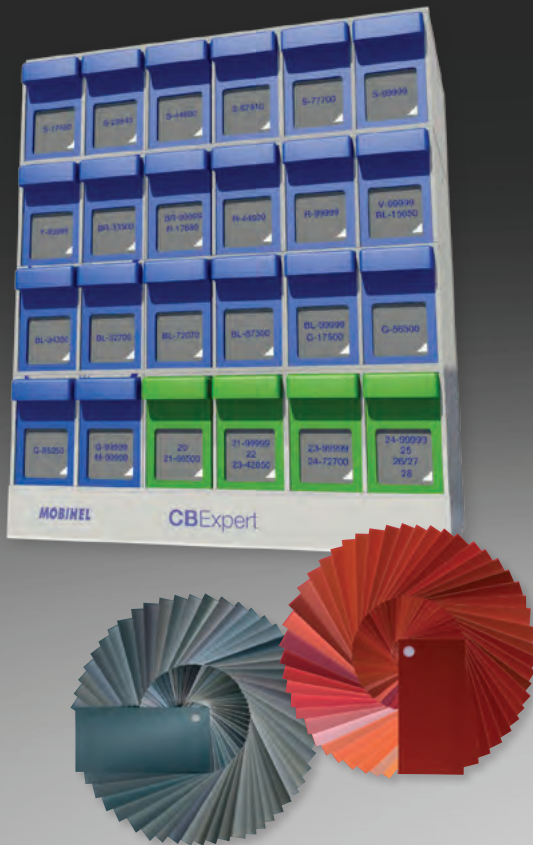
COLOUR COMPETENCE

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## Colour Box Expert



- Colour Box Expert is Mobihel's all-in-one premium colour documentation solution.
- Contains over 11.500 different colour chips for all top coat qualities.
- Comprehensive collection of the most used OEM standard colours as well as multiple variants.
- Classified under the proprietary Mobihel code and correlated with Formulation Software algorithm – provides fast and easy colour reference and identification.
- Chips are arranged in chromatic order to ensure colour identification even when colour code is unknown or the vehicle has been repaired with a different variant.
- Especially usefull when needing to repair a vehicle with many colour variations on the surface or different panels.
- All chips are sprayed with original Mobihel paint to provide an accurate comparison of the mixed formula with the object to be repaired.
- Chip spraying technology is adjusted to fit hand application habits in bodyshops – thus ensuring a very close match with the actual colour.
- Avoids unnecessary spraying of initial test colour cards – providing for a real fast colour identification process.
- Regularly twice per year updates to all new OEM colours and most used variants.
- Modular system to allow easy extension.

By using in combination the Mobihel Formulation Software, the Colour Box Expert and the Colour Wizard you obtain a complete Colour Management Solution that ensures fast and perfect colour process and repair.

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## Mobihel Colour Wizard

Spectrophotometer software



- Colour Wizard Spectrophotometer is a high-quality and reliable multi-angle device to provide fast and accurate results.
- The optical measurement hardware unit is designed to Mobihel specific measurement technology and colour algorithms.
- Works in conjunction with its dedicated Colour Wizard Software and the Mobihel Formulation Software.

- The Colour Wizard Software is a laboratory grade software solution adapted for the daily use in bodyshops.
- It's a complete 3-in-1 solution that provides results for any colour needs:
  - SEARCH
  - CORRECT
  - SIMULATION.

### SEARCH:

- Returns fast and accurate results due to an innovative colour decomposition algorithm.
- Possible also for completely unknown colours or colour identification data.

### CORRECTION:

- Automatic correction recommendation.
- Multi-stage correction provide an accurate tracing of the correction steps.

### SIMULATION:

- Live simulation of adjustments provide visual display of the impact on the reference colour.
- Excellent in providing a quick overview of the adjustments chosen.
- Avoids unnecessary spraying of test colour cards at every adjustment.
- Allows creation of fully customized colours without need of actual product mixing.

By using in combination the Mobihel Formulation Software, the Colour Box Expert and the Colour Wizard you obtain a complete Colour Management Solution that ensures fast and perfect colour process and repair.



# INTEGRATED SUPPLY SYSTEM - JustWYN by **Mobihel** Hydro

An innovative approach - JustWYN adds the benefits of the OEM coatings experience to the refinish industry by integrating the supply chain from manufacturer stage to the bodyshop stage.

Relying on the excellent colour suspension stability of the **Mobihel Hydro** mixing bases we have developed an integrated supply system to provide the modern bodyshop with the **most efficient overall coatings cost**, a key criteria for every bodyshop's economic performance.



**Just what you need!  
The new cost per use system.**

# INTEGRATED SUPPLY SYSTEM - **Mobihel Hydro**

## Key advantages:

- Colouristic stable mixing bases that do not require stirring.
- Packaging size designed to maximize the rotation and ensure very easy, fast and precise mixing.
- The lowest coatings inventory cost in the industry.
- Manufacturer assisted management of the mixing bases.
- Highest flexibility of mixing bases supply to suit virtually individual bodyshop colour requirements.
- Manufacturer guarantee and free replacement of any improbable outdated stock of mixing bases.
- Comprehensive colouristic tools and database of formulations.

For details of the new cost per use system call;

**Brian Holloway**

**Mob: 0406 434 610**



# MOBIHEL PE PUTTY MULTI

## USE:

High reactive two – component polyester putty with excellent curing properties even at lower temperatures (10°C) or high humidity (more than 60%).

The fine structure ensures a pore-free surface and excellent spreading properties.

The adhesion on all metal substrates and the fast curing time provide quick quality repairs.

## SUBSTRATES:

Used to even out irregularities on steel, zinc-plated or aluminum metal sheet.

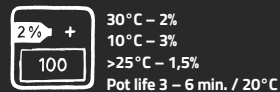
The surface must always be well sanded, cleaned from rust and degreased.

## COLOUR:

White

## PACKAGING:

0,5 kg  
1 kg  
2 kg



30°C – 2%  
10°C – 3%  
>25°C – 1,5%  
Pot life 3 – 6 min. / 20°C



15 – 20 min. / 20°C



5 min.



P80 – P150



FURTHER TREATMENT:  
All 2K MOBIHEL FILLERS



EU limit value VOC for this type of products (category II B (a)), which is ready for application is 250 g/l. VOC of this product, ready for use is 170 g/l.



18 months



PRODUCTS

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# MOBIHEL PRIMER LOW VOC

## USE:

One-component easy to apply and fast drying primer with excellent anticorrosion properties.

Adhesion on all types of metal substrates.

## SUBSTRATES:

Used for the protection of steel, zinc-plated or aluminum metal sheets.

The surface must be well sanded, cleaned from rust and degreased.

## COLOUR:

Olive Green, Grey

## PACKAGING:

1 L



20 – 25 seconds  
DIN 53211  $\phi$  4 mm / 20 °C  
MOBIHEL Primer thinner (15 – 20 %)



1,3 – 1,5 mm  
2 – 4 bar  
25 – 30  $\mu$ m



50 seconds  
DIN 53211  $\phi$  4 mm / 20 °C  
MOBIHEL Primer thinner



20 °C = 1 h  
60 °C = 15 – 20 minutes



FURTHER TREATMENT:  
- MOBIHEL 2K HS 4:1 compactprimer low VOC  
- all MOBIHEL top coats



EU limit value VOC for this type of products (category II B (c) in form ready for application is 780 g/l. VOC of this product ready for use is 720 g/l.



1 year



# MOBIHEL 2K HS 4:1 COMPACTPRIMER LOW VOC

PRIMERS/FILLERS

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## USE:

High-build, acryl-isocyanate primer-filler. Adhesion on all types of metals substrates. The excellent (up to 180 µm) film-build and in-depth drying properties allow for a reduced process time and ensure an excellent surface for the subsequent top coats.

## SUBSTRATES:

It may be applied directly to bare steel and zinc-plated steel and aluminum.

In cases of unknown aluminum quality we recommend the application of one layer of MOBIHEL PRIMER LOW VOC for guaranteed results.

The surface must be well sanded, cleaned from rust and degreased.

## COLOUR:

White, Grey and Black. Possibility of mixing on the mixing unit.

## PACKAGING:

1 L  
3,5 L



MOBIHEL Antisilicone cleaner low VOC  
MOBIHEL HYDRO Degreaser



MOBIHEL 2K hardener 700 or  
MOBIHEL 2K hardener 750 W (for  
temperature applications 5 – 18 °C)  
4:1 by volume  
Pot life: 1 – 2 h / 20 °C



32 – 37 sec.  
DIN 53211 4 mm / 20 °C  
MOBIHEL 2K thinner 2100 (10 %)



1,6 – 2,0 mm  
2 – 4 bar  
1x = 60 µm  
3x = 180 µm



10 – 15 min. between coats  
15 – 30 min. before drying in oven



Thickness 60 µm:	Thickness 180 µm:
20 °C = 1,5 h	20 °C = 4 – 5 h
60 °C = 20 min.	60 °C = 30 min.



15 – 20 minutes



P360 – P600



P800



Further treatment:  
all MOBIHEL top coats



2K-materials react with moisture; take care that all containers and tools are absolutely dry. While coating, the ambient relative humidity should not exceed 80%!



EU limit value VOC for this type of products (category II B (a)) in the form, which is ready for application is 540 g/l. VOC of this product, prepared for use is 530 g/l.



18 months



# MOBIHEL 2K ACRYLIC ENAMEL MIX

## USE:

MOBIHEL 2K ACRYLIC ENAMEL is used as a Direct-Gloss Top Coat for the final painting of personal vehicles, buses, trucks and other vehicles as well as for other metal objects and is part of the MOBIHEL MIXING SYSTEM.

The desired colour can be obtained by using the MOBIHEL Colour Navigator Formulation Software or by searching in the Mobihel Colour Box Expert.

The selected colour is subsequently mixed quickly and precisely using the software and computer-connected scale.

## SUBSTRATES:

- MOBIHEL 2K FILLER 3:1 UNIVERSAL LOW VOC, or
- MOBIHEL 2K HS 4:1 COMPACTPRIMER LOW VOC

## PACKAGING:

1 L  
3,5 L



MIX-101 – MIX-131



MOBIHEL computer weighing programme



MOBIHEL 2K hardener 9900 or 1100  
(for T applications from 18 – 27°C)  
or MOBIHEL 2K hardener 1300  
(for T applications from 27 – 35°C)  
or MOBIHEL 2K hardener 1500  
(for T applications from 5 – 18°C)  
Pot life: 2 h / 20°C



18 – 20 s  
DIN 53211 ø 4 mm / 20°C  
MOBIHEL 2K thinner 2100  
(for T applications from 18 – 27°C)  
or MOBIHEL 2K thinner 2300  
(for temperature applications 27 – 35°C)  
or MOBIHEL 2K thinner 2500  
(for temperature applications 5 – 18°C)



Test colour card application recommended to assess colour matching.



1,3 – 1,4 mm  
2 – 4 bar  
2x = 50 – 60 µm



10 min / 20°C between layers



20°C = 12 – 16 h  
60°C = 30 min



2K materials react with humidity; take care that all containers and tools are absolutely dry. While coating, the interior relative humidity should not exceed 80%.



4 years



# MOBIHEL BASE MIX

## USE:

MOBIHEL BASE MIX is a solvent-based base coat used in double-layer coating systems in combination with one of the MOBIHEL Clear Coats. It is used for the final painting of personal vehicles, buses, trucks and other vehicles as well as for other metal objects and is part of the MOBIHEL Mixing System. The desired colour can be obtained by using the MOBIHEL Colour Navigator Formulation Software or by searching in the Mobihel Colour Box Expert. The selected colour is subsequently mixed quickly and precisely using the software and computer-connected scale.

## KEY CHARACTERISTICS:

- Very fast flash-off and in-depth film drying.
- Immediate repair after matting possible.
- Excellent spraying properties.
- Uniform results and effect properties.
- Very easy fade-out.

## SUBSTRATES:

- MOBIHEL 2K FILLER 3:1 UNIVERSAL LOW VOC, or
- MOBIHEL 2K HS 4:1 COMPACTPRIMER LOW VOC

## REMARK:

Colour shade and lightness of metallic effect depend on the manner of spraying, application viscosity, the type of spray gun used, the pressure setting and handling. Therefore at partial painting we recommend the beforehand set of parameters in order to match the exact colour shade and use of fade-out technique.

## PACKAGING:

- 1 L
- 3,5 L



MOBIHEL computer weighing programme



- 41 colour Mix-es
- 12 aluminium Mix-es
- 15 pearl – effective Mix-es
- 6 brilliant pearl
- 2 flop additive
- 1 additive for three-layer painting



Test colour card application recommended to assess colour matching.



INSERT:  
MOBIHEL Thinner for base 3100 (approx. 60%) for T applications between 5 – 27 °C  
MOBIHEL Thinner for base 3300 (approx. 60%) for T applications between 27 – 40 °C



20 – 22 s  
DIN 53211 ø 4 mm / 20 °C



1,3 – 1,4 mm  
2 – 4 bar  
2x = 15 – 20 µm



10 – 15 min / 20 °C



Further treatment:  
- MOBIHEL 2K clear coats



Colour pigments: 4 years  
Aluminium, pearl pigments: 3 years

## BASE COATS



# JUSTWYN BASE MIX

## USE:

MOBIHEL HYDRO BASE MIX is a VOC compliant water-based base coat used in double-layer coating systems in combination with one of the MOBIHEL Clear Coats. It is used for the final painting of personal vehicles, buses, trucks and other vehicles as well as for other metal objects and is part of the MOBIHEL Mixing System. The desired colour can be obtained by using the MOBIHEL Colour Navigator Formulation Software or by searching in the Mobihel Colour Box Expert. The selected colour is subsequently mixed quickly and precisely using the software and computer-connected scale.

## KEY CHARACTERISTICS:

- Rapid flash-off and in-depth film drying.
- Immediate repair after matting possible.
- Excellent spraying properties.
- Uniform results and effect properties
- Easy fade-out.
- Solvent-like application.

## SUBSTRATES:

- MOBIHEL 2K FILLER 3:1 UNIVERSAL LOW VOC, or
- MOBIHEL 2K HS 4:1 COMPACTPRIMER LOW VOC

## OPTIMAL APPLICATION CONDITIONS:

Temperature of air: 20 – 25 °C; relative humidity: 40 – 60%;  
Air flow in spraying cabin min. 25.000 – 28.000 m<sup>3</sup>/h.

## REMARK:

Colour shade and lightness of metallic effect depend on the manner of spraying, application viscosity, the type of spray gun used, the pressure setting and handling. Therefore at partial painting we recommend the beforehand set of parameters in order to match the exact colour shade and use of fade-out technique.

## PACKAGING:

0,2 L



MOBIHEL computer weighing programme



- 32 colour MIX-es
- 9 aluminium MIX-es
- 15 pearl – effective MIX-es
- 6 brilliant pearl – effective MIX-es
- 2 flop additive
- 1 additive for three-layer painting



25 – 28 sec.  
DIN 53211 4 mm / 20 °C  
MOBIHEL HYDRO Thinner (approx. 10%)



Test colour card application recommended to assess colour matching.



1,3 mm  
2 bar (HVLV)  
1 – 2 steps = 15 – 20 µm



20 – 30 minutes / 20 °C  
Time may be reduced with the use of ventilator or IR heaters.



Further treatment:  
- MOBIHEL 2K clear coats



EU limit value VOC for this type of products (category II B (d)) in the form, ready for application is 420 g/l. VOC of this product ready for use is 410 g/l.



2 years in the originally closed packaging, 6 months in the open packaging on the mixing unit.

## BASE COATS





# MOBIHEL 2K HS 2:1 CLEAR COAT DH LOW VOC

## USE:

Premium grade, high-gloss clear coat for the repair of personal vehicles, final painting of car bodies, buses, trucks and other metal objects.

The high film elasticity, ultra-high solid contents, excellent mechanical and chemical resistance provide a longstanding protection to the base coat

The product needs no additional thinning when mixed with the hardener and provide a very easy application and smooth film properties.

## SURFACE:

- MOBIHEL BASE MIX, or
- MOBIHEL HYDRO BASE MIX

## PACKAGING:

- 1 L
- 5 L



MOBIHEL 2K HS hardener 4100  
(for temperature applications 18 – 27 °C)  
or MOBIHEL 2K HS hardener 4300  
(for temperature applications 27 – 35 °C)  
or MOBIHEL 2K HS hardener 4350  
(for temperature applications 30 – 40 °C)  
or MOBIHEL 2K HS hardener 4500  
(for temperature applications 5 – 18 °C)

Volume mixing  
Pot life: 1.5 h / 20 °C



1,3 – 1,5 mm  
2 – 4 bar (depending on type of spray gun)  
1,5x = 50 – 60 µm (first apply a thin closed coat, next apply a full coat after indicated flash off time.)



Using MOBIHEL 2K HS hardener 4100  
Between coats: 3 – 5 minutes / 20 °C  
Prior to drying in the oven: 15 minutes / 20 °C

Using MOBIHEL 2K HS hardener 4300  
Between coats: 3 – 5 minutes / 20 °C  
Prior to drying in the oven: 15 minutes / 20 °C

Using MOBIHEL 2K HS hardener 4500  
Between coats: 1 – 2 minutes / 20 °C  
Prior to drying in the oven: 5 minutes / 20 °C



Using MOBIHEL 2K HS hardener 4100  
20 °C = over night  
60 °C = 30 minutes (object temperature)

Using MOBIHEL 2K HS hardener 4300  
20 °C = over night  
60 °C = 35 minutes (object temperature)

Using MOBIHEL 2K HS hardener 4500  
20 °C = over night  
60 °C = 20 minutes (object temperature)



10 – 15 min



EU limit value VOC for this type of products (category II B (a)) in the form, which is ready for application is 420 g/l.  
VOC of this product, prepared for use is 418 g/l.



2K materials react with humidity; take care that all containers and tools are absolutely dry. While coating, the ambient relative humidity should not exceed 80%.



5 years

CLEAR COATS



The truth is that we love cars.  
We care about them.  
We understand the value  
of painters, our customers.  
We would not be able to care  
about cars without them.  
They are the masters of art,  
the silent magicians that can,  
with their hands,  
bring the soul back to cars.  
So you can admire them again.

## CONTACT US



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