

The future based on water



Mipa WBC Mixing System

WBC

SUCCESSFUL CAR REFINISHING

**mipa**<sup>®</sup>

# Time never stands still

Waterbased topcoat systems are state of the art since the VOC law came into power in Europe and other parts of the world. In the OEM segment **this technology** is standard even longer.



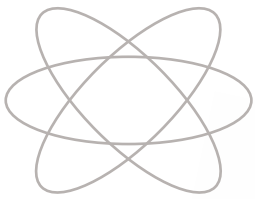
But **technical innovation** of these systems is not stopping. The experience of the past years and decades as well as the development of new raw materials are leading to a continuous improvement of Mipa paint systems.

Experience & Innovation

## Economy and environmental protection

Mature water-based technology





# Ecology and Economy.....

After extensive development **Mipa WBC water-basecoat** is meeting not only the current legal requirements but due to a mature waterbased technique Mipa WBC is also avoiding all disadvantages of former generations of water basecoat and is offering an easy way of application.



Together with the **most comfortable colour matching systems** as well as easy-to-handle mixing- and dosing equipment the basecoat system is a part of a complete range of professional paint material for all users.

## with Mipa WBC

### M I P A C O L O R S Y S T E M



..... Additionally even economic advantages can be achieved by **using the product in the right way**. Ecology and economical success is no contradiction. **Mipa WBC** is proving it.

# ••• Mipa WBC - the smart solution

Mipa WBC base tinters **don't have to be stirred**. It is sufficient to shake the required tinter just shortly before dosing. As a consequence storage in common shelves at constant temperature is sufficient. The tin sizes have been selected according to the usage and therefore high storage costs and expired shelf lives will be avoided. Due to paint-in-paint mixing without any binders, activators or other additives custom made mixouts for smaller surfaces are possible.

••• For **mixing and finding formulations** as well as for using the color documentation or spectrophotometer no changes in the way of working are necessary.

## • Easy application

- The application of Mipa WBC is possible with **standard** spray booths and **common** spray guns. Left overs are usable for a long time, cost for waste, disposal is declining.



## Key benefits of WBC Mipa:

### • Colour- and product reliability



By adding 10-20 % Mipa WBC-Thinner as the only addition to the base tinters the viscosity is adjusted ready to spray. The addition within very narrow limits and **without any other additives** increases the safety in use of the product. The colour can be immediately judged during the application. Because of the high thixotropy of the base tinters the danger of colour differences caused by insufficient stirring is avoided completely. Therefore colour shades are achieved easily and safely with an immediate possibility to judge them on the object.



# Highest efficiency + Covering power = Time savings

- • • • • Mipa WBC **covers already with the first coat.**  
Usually the second coat only serves the effect adjustment and the perfection of the colour.

Highest efficiency

+ Covering power

• • • • • = Time savings

In spite of the slower drying times of water-based systems in general therefore the total duration of coatings can be reduced. The material consumption is at minimum 25 % less compared with conventional systems.

**MATERIAL SAVINGS**



■ = Conventional basecoat systems  
■ = Mipa WBC

## The smart solution

### Economic environmental protection

Because of the low emissions of organic solvents of Mipa WBC, which are significantly lower than the presently valid and even the possibly coming legal limits, the overall emissions in a body shop are reduced by a large part.

This **effective environmental protection** in any way is achieved without any additional costs. Because of a possible higher image at customers or federal offices but also because of lower costs for air cleaning and waste disposal this even can lead to higher profits.



# Mipa Color System

Because of the structure of **Mipa Color System II** all annual or variant swatches are no longer necessary. All colours are shown in one colour card. The colours are sorted by the following structure:

M I P A C O L O R S Y S T E M



M I P A C O L O R S Y S T E M C O U L O U R C O D E  
B - 5 - 09890 - 500

Basecoat  
System

Colour group  
similar to RAL

Colour number

## Start in the future

### Excellent application

For the use of Mipa WBC basecoat Mipa Color System II serves as a help for finding and comparing colours. The colours are sorted by colour groups and **with narrow differences** between each other.



After the research by colour code therefore possible variants or colour differences caused by any other reasons compared to the original colour can be found quickly and safely in the **Mipa Color System II**. The search by Color-System-Number leads to a colour corresponding to the relevant colour chip in the system.

## • Highest Quality

- • • Next to Mipa WBC base tinters **further products** are available for car refinishing with perfect quality but also within the legal emission limits for effective environmental protection:

## Mipa water-based primers .....

Coming to the surface preparation MIPA focuses on water based products. The cleaning of the surface can be done with **Mipa WBS Reiniger**. With very good adhesion and excellent protection against corrosion **Mipa WBS 1K-Grundierfiller** means the ideal first step of successful car refinishing.

Additionally Mipa **WBS EP Grundierfiller** is a water based alternative to conventional filler materials with excellent flow and easy-to-sand abilities. The VOC-value of less than 250g /ltr. is already now easy to reach with this product.



The **future of car refinishing** has started not only in the top coat area. MIPA offers a complete range of water-based products. Let's get ready for the future.

## with Mipa WBC

## ..... Mipa 2K-HS clearcoats



Only by **overcoating with clearcoats** the effects of the basecoat become visible and are permanently protected. MIPA offers different variants of VOC-compliant clearcoats for all kinds and manners of application. Combined with **Mipa 2K-HS Hardeners** brilliant surfaces with best flow will be achieved. The resistance against all kind of environmental influences reaches highest levels compared to conventional systems.



# Successful Car Refinishing



**mipa**<sup>®</sup>  
*Professional Coating Systems*

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