

Mipa WBC Mixing System

Successful Car Refinishing

mipa

Professional Coating Systems









Experience and Innovation

Water-based topcoat systems are **state of the art** since the implementation of the VOC-Directive in Europe and other parts of the world. In the OEM segment, this standard applies even longer. But the technical innovation of these systems goes on. Experiences over the last years and decades as well as the development of new raw materials lead to a consistent improvement of Mipa paint systems.



WBS
auf Wasserbasis
Water based

Cost-effectiveness and efficiency with Mipa WBC

With the waterborne Mipa WBC basecoat mixing system, extensive development work has made it possible not only to meet legal standards, but above all to perfect application reliability through advanced waterborne paint technology and to avoid the qualitative disadvantages of previous generations of waterborne paints. In combination with convenient colour identification systems as well as simple mixing and dosing equipment, the basecoat system is integrated into a comprehensive range of professional coating materials for all applications.

With Mipa WBC, not only can high-quality, effect-rich paint finishes be achieved, but, when applied correctly, economic benefits can also be realised. The combination of waterborne technology and efficient application makes Mipa WBC an economical solution for modern painting processes.








Mipa WBC – the smart solution

Mipa WBC base tinters **don't have to be stirred.** It is sufficient to shake the required tinters just shortly before dosing. For this reason, the tinters can be stored at constant temperature in common shelves. Tin sizes have been selected considering the consumer habits, which helps to avoid capital commitment and the expiration of shelf life. The intermixing of tinters without any additional binders, activators or other additives enables our customer to produce paints for increasingly smaller surfaces to be refinished.

Easy application

Mipa WBC can be applied in conventional spray booths and common spray guns whereby further investments are avoided. The ready-mixed paint has no pot life. Residual quantities are therefore reusable for a long time which results in declining waste disposal costs.

Colour- and product reliability

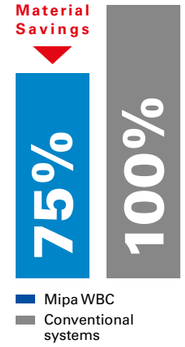
By adding 10-20 % of Mipa WBC-Thinner, which is the only additive, to the base tinters, the viscosity is adjusted for spray application. The addition of this small amount **without any other additives** increases the liability of the product. The colour can be identified immediately in the mixture and during the application. The high thixotropy of the base tinters lowers the risk of colour deviations caused by insufficient stirring. Therefore, the desired colour is achieved easily and safely and can be assessed immediately.



Highest efficiency + Covering power = Time savings

Mipa WBC is applied in 2 layers with a short flash-off. The application of a subsequent half coat results in a perfect colour.

Due to its fast final drying, this application process is as fast as other systems without flash-off between coats. In comparison with conventional systems, there are no disadvantages in the overall processing time thanks to the elevated hiding power. The material consumption can even be reduced by at least 25 %.



Reduced solvent content and economic benefits

Due to the proportion of organic solvents in Mipa WBC being significantly below the currently applicable legal requirements and those being discussed for the future, as well as due to the lower consumption, the overall solvent emissions in the paint shop are noticeably reduced. When applied appropriately, the reduced use of solvents can contribute to savings in solvent disposal and exhaust air purification, thereby providing economic benefits.



The perfect colour

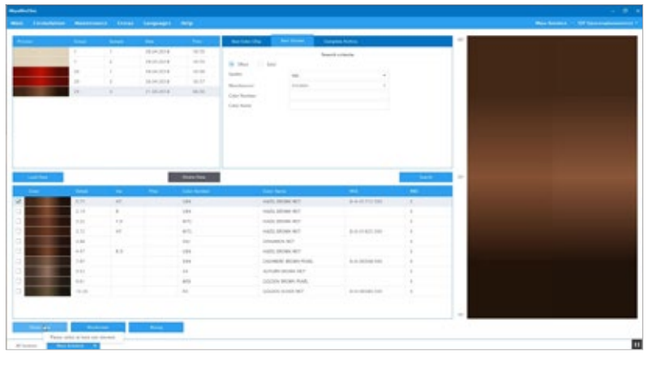
The choice of a **correct colour shade for car refinishing** is the key for a visually perfect result. Searching this colour shade is time consuming and difficult because of numerous information to be considered and because of the ever increasing choice of possible shades.

MIPA offers **professional and innovative tools** to the user, in order to shorten the search and to lead to a matching result:

MipaMix Elite

The formulation software MipaMix Elite compares colour masters, which have been read at several angles by a portable spectrophotometer, to a formulation database. There are over 20 times more colours to be compared than in a colour chart. Measurements and recommended formulations can be compared on the screen.

If necessary, MipaMix Elite computes corrections of the recommended formulations to match the colour even more exactly. Once the desired formulation has been determined, MipaMix Elite guides you safely and easily through the mixing process and provides the possibility to prepare additional products ready for use. Measurements, formulations and mixtures can be saved and be therefore reproduced at a later time.



Mipa Color System

All colour samples are provided with the Mipa Color System colour code, which follows this system:

B7 - 341 - 60

Basecoat System	Colour group similar to RAL	Colour number



MIPA COLOR SYSTEM

The **colour card system** offers thousands of colour samples. All variants can be found in one system and switching between different versions and annual swatches is no longer necessary. Since the colours are sorted by colour groups and not by car brands, all variants and very similar colour shades can be found directly next to each other which allow the user to react easily to colour deviations. The colour samples are produced **with highest precision** using the original paint. An innovative closing and storing mechanism enables a comfortable comparison with the vehicle as well as an easy and fast addition of new variants delivered regularly.



Highest quality

In addition to the Mipa WBC mixing tinters, numerous other products offer solutions for vehicle refinishing of the highest quality and support compliance with legal requirements.

...and even more waterborne solutions

MIPA focus on waterborne products also in the field of substrate pre-treatment. Surfaces to be painted are cleaned with **Mipa WBS Reiniger.**
Mipa WBS 1K-Grundierfiller represents the perfect first step to a successful car refinishing due to its very good adhesion and excellent corrosion protection properties. **Mipa WBS Reiniger FINAL** has been developed particularly for cleaning the basecoat layers prior to recoating with Mipa clearcoats and completes the coating system of water-based and VOC-reduced High-Solid products. Moreover, the waterborne basecoat Mipa WBC can be applied as single layer without clearcoat finish e.g. for interior coatings thanks to the use of the **Mipa WBC-hardener.**
The **future of car coating** has begun not only in the range of topcoats. MIPA offers a complete waterborne range which is in itself coherent.



Mipa 2K-HS Clearcoats

Only the clear coating provides the effect characteristics of a basecoat and its durable protection. MIPA offers different variants of clearcoats as VOC-compliant solutions for all kind of users and application areas.
The combination with Mipa 2K-HS hardeners leads to brilliant surfaces with excellent flow. The resistances against any environmental influences achieve best results in comparison to former MS systems.



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