



mipa[®]
Professional Coating Systems



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Tradition and Innovation

MIPA AG was established in 1948, at the time under the business title of Paul Mittermayer GmbH, in Landshut. Today, thanks to the traditions of the founding family, which go back to 1900, the company can look back on **more than 100 years of history in manufacturing lacquers and paints.**

In order to attain an internationally significant position on the market, MIPA AG has been consistently expanding its structures and reinforcing them ever since that time.

Investment – Growth – Success

Today, our production programme includes

- car paints,
- industrial paints and
- construction paints.

Individual products have developed into **innovative, complex systems** that cover all levels of professional coating procedures. These lacquer and paint systems are continually adapted to the requirements of professional users and the latest technologies.

Investment, innovation and success are inextricably connected at MIPA. It was only in 1996 that one of the **most modern paint factories of Europe** was opened at the headquarters in Essenbach. Year for year, investments in modern machines, devices and rooms increase capacities as well as the quality of our products.

MIPA AG



The success in sales of these products will also provide a sustained flow in the future. Only in this way can Mipa customers continue to be supplied with the same consistent, high-quality, efficiently produced products using the most modern technologies.

MIPA AG is dedicated to its customers in every way, including with regard to their **quality demands.** The Quality Management Programme, documented according to ISO 9001:2000, all processes in the company are continuously tested and improved – from raw materials purchasing to customer receipt of goods. All details concerning MIPA paints are comprehensible, and have been consistently optimised for years.

Our Customers are our Focus

In the internationally active MIPA AG, with customers in more than 70 countries, the core of the family business has been preserved up to this day. This guarantees a quick decision-making process, complete orientation on the needs and quality demands of the market, and the necessary flexibility. It also ensures customers that, with MIPA AG, they are getting a **competent and reliable business partner.**



Systematic Success

The colour spectrum of international automotive painting comprises **more than 50,000 different shades**, and hundreds more are added each year through adjustment to customer tastes and new pigment technologies. Due to the international availability of almost every vehicle brand, practically every colour nuance can be found on cars in every corner of the Earth.

Only through **complex mixing systems** is it possible to supply each of these colour shades

- precisely,
- promptly and
- in any amount,

on an international basis. With **Mipa car refinishing paint systems**, any desired shade can be produced according to customer wishes using only a few basic components and **computer-assisted formulas**. The requirements for the success of these mixing systems include exercising the **highest precision** in the production of the basic components as well as in the generation of formulas.

Depending on the area of application and sales region, a variety of Mipa mixing systems can be employed. Due to restrictive solvent laws, the high solid and waterbased technology has become prevalent in Europe. In comparison, more compact systems suffice for the commercial vehicle sector, since the colour selection in this segment is smaller. MIPA even has a separate system for its historical roots of automotive painting – for the agricultural and construction vehicle sector.

Car Paints

Any desired colour can be produced with **Mipa car refinishing paint systems**.





Quality Made in Germany

Sandstorm or perpetual frost – around the world, automotive paints are relentlessly exposed to all kinds of environmental factors. In order to prevent a vehicle from depreciating due to environmental influences, the paint must resist damage and destruction by these adverse conditions.

This demand on car paints must be met. That is why MIPA AG relies on a **consistent quality policy**, beginning with the selection of the raw materials and culminating in customer satisfaction. MIPA produces all of its car coating products itself, meaning that they can be perfectly coordinated with one another. Because it is not only the topcoat that determines durability and appearance of automotive coating; all products play an important role.

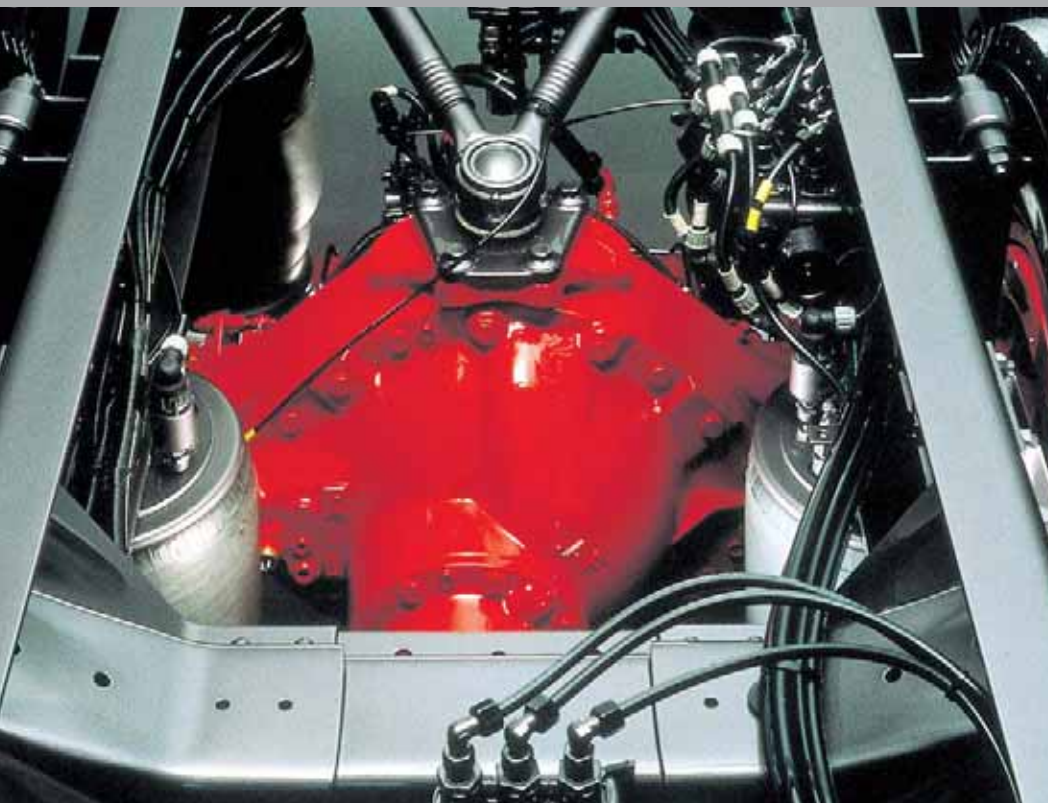
Unlimited Custom-Made Variety

The industrial paint sector is vast. Depending on classification characteristics such as binder basis of the products, type of surface to be coated, size of the coating plant and object to be coated, as well as many others, industrial paints are categorised in a number of sub-sections.

Mipa industrial paints are primarily developed for a **variety of metal and plastic surfaces**. In this realm, MIPA AG offers a wide palette of individual products and services. Depending on company size, technology employed, objects to be coated and the required stabilities, MIPA always finds an optimal overall concept. This is done in the context of **detailed consultation** with the customer.

Based on the individual demands and technical and business requirements of the customer, a detailed profile of paint products can thus be generated. Years of experience with a variety of applications then form the basis for securing an optimal, technically feasible coating. Here, existing solutions can be modified, or completely new products can even be developed.

Industrial Paints





The consistent high quality of Mipa industrial paints, **meticulously developed internal and external logistics solutions**, as well as the broad base of experience of MIPA AG, all make MIPA a partner that covers all your painting needs.

Several domestic and international sales partners can ensure uniform painting of the finished product, even for widely ramified companies with several production plants or suppliers.



Pro Mix® -Tinting Systems

These systems enable immediate availability in thousands of different colours starting from the smallest of amounts, even for completely newly developed paint products. Especially users who must react very quickly and flexibly to their customer demands can acquire the necessary coating materials on a "just-in-time" basis.





Build, Protect, Preserve

Paints and lacquers for use in construction and renovation represent a further segment in MIPA's broad product range. Especially the number of subsurfaces, quality demands and application requirements make a wide variety essential, which is contained in the Mipa Decorative sales area.

The **Pro Mix® Decorative Tinting System** enables a wide variety of colour arrays and nuances for the decoration of rooms and facades, which can be coated in various qualities, depending on intended application.

For a long time now, MIPA AG has been fulfilling extensive areas of European solvent laws for the construction and renovation sector. The majority of Mipa construction paints and lacquers have been **consistently low in toxin and solvent levels** for years.

MIPA also pays particular attention to **special niche markets**, such as

- floor coating,
- sheet metal facade renovation and
- roof coating.

The extensive experience in other sales and production areas has granted MIPA AG a considerable lead in expertise, and thus enables a closer relationship to the customer through intensive consulting.

Construction Paints





Rounding Out a Large Assortment

Not only the employed materials themselves, but also the tools with which they are applied play a pivotal role in the quality of the coating. That is why, in addition to its own paints and lacquers, MIPA includes a **selection of high-quality accessory products in its range – the "non-paints"**.

These non-paints are developed and produced – some exclusively for MIPA – in various countries around the world. Professional users can achieve the highest degree of quality assurance with these selected, rigorously tested and – due to global purchasing – inexpensive products. There is no more need for time-consuming searches for suppliers.

MIPA AG also assists its customers regarding these accessories, an important aspect with regard to daily work with paint products, and also offers comprehensive consulting and assistance at any time.

Non-Paints



- 1 ABRASIVES
- 2 PREPAIR & FINISH
- 3 MASKING SYSTEMS
- 4 PROFESSIONAL TOOLS
- 5 CARE & CLEAN
- 6 WORK WEAR





MIPA AG as a Global Player

Today, Mipa products are sold and processed in **more than 70 countries** around the world. With own sales sites, regional expert advisors and intensive cooperation with national and regional sales partners, MIPA assures close contact to the user, as well as the professional and optimal application of products.

Export has always been an important element of the company, and is consistently strengthened through persistent expansion of the intercultural and logistics expertise. Land, sea and air transport, customs borders, import regulations or varying consumer protection laws are not the exception at MIPA, but rather part of the daily work.

Yet the **global direction** of MIPA AG is not a one-way street. The experience of all customers on a worldwide basis, as well as the adjustment of products to meet the most varied of climatic and technical demands, produce technically mature, safe and high-quality goods. The intensive dialogue with various partners at their locations is thus a significant part of the development process.

Worldwide

Today, **decentralised manufacturing sites** ensure even faster availability of products as well as the opportunity to modify them to meet respective national requirements.



Establishments

Landshut
Erding
Regensburg
Deggendorf
Augsburg

Overseas Branches

Great Britain:
Mipa Paints Ltd., Havant / Portsmouth
Netherlands:
Mipa Nederland B.V., Deventer
Switzerland:
Mipa AG, Lacke und Farben, Berneck
Slovakia:
Mipa Autolack s.r.o., Svit
Czech Republic:
Mipa CZECH, spol.s.r.o., Prag
Hungary:
Mipa Color KFT, Szekesfehervar
Mipa Coatings KFT, Oroszlany



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A world full of effects

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Mipa BC Mixing System

BC

SUCCESSFUL CAR REFINISHING

mipa[®]

Car and design - a world full of effects



Car and design have become integral elements nowadays featuring forms, surfaces and colours. A variety of brilliant colours and special effects are increasingly being used to enhance **modern day and age** cars.

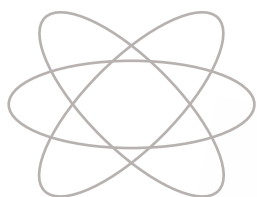


.....Variety of special
effects and brilliant colours

A top class paint system:



..... A compound of colour and shape



Outstanding quality for permanent beauty

These finishes are obtained by using **newly innovated pigments** and by multi-coated metallic-, pearl-, effect and solid colour-paintwork. The basecoat provides the colour in combination with tinted and adapted undercoats. The predominant-ly high-gloss clearcoats provide the necessary protection and brilliant finish.



The basecoat-system Mipa BC fully complies with this development. With the lowest possible number of mixing tints the complete colour spectrum of clear-over-base and effect-paintwork is covered.

Brilliant quality with Mipa BC

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



High efficiency, exact and brilliant colours, that can be found quickly and easily in the **Mipa Color System**, as well as smooth and easy application topcoated with Mipa 2K-MS- and -HS-Clearcoats result in **a top class paint system**.

A modern High-Tech-System with many compelling advantages

Economical use, reduction of solvents, exact colours, permanent brilliance - these aims can only be reached by the choice of modern raw materials of highest quality. Mipa has carefully developed a stable and reliable mixing system Mipa BC, that at the same time is already prepared for future demands.

Only the **modern structure of Mipa BC** will create a large number of advantages for the enduser:

Smooth and trouble-free application



Painting with Mipa BC can be done **without complications** and demands no special technique. Aluminium-parts and pearl-pigments adjust themselves easily, in order to create an extremely smooth surface, allowing clearcoats to retain high brilliance. Cloudiness of the basecoat is a nightmare of the past.

Irresistible:

Fast drying



Mipa BC basecoat has very fast drying characteristics and can quickly be overcoated with clearcoat. The surface dries semi-matt and especially smooth, allowing optimum flow of the clearcoat. It can be masked and taped significantly earlier, in order to make multi-colour-paintwork possible **less in time**.

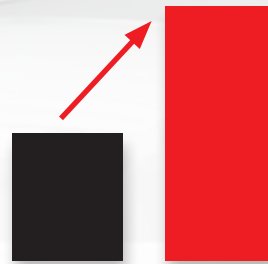
Superior coverage

Compared with common basecoat-systems Mipa BC shows a **significantly higher pigment-concentration**. Especially with pearl-effect-colours, but also with other problematic colours, Mipa BC has therefore **superior covering power** over other systems.

Shaded primers are in most cases not necessary, while repairs or recoating can be done **safely and easily**.



PIGMENT CONCENTRATION + 50%



■ = Common basecoat system
■ = Mipa BC

The advantages of Mipa BC.

The excellent features of Mipa BC lead to a significantly lower consumption of material. Because of the increased covering power the basecoat consumption is decreasing, because of the smooth basecoat-surface less clearcoat is necessary to get a perfectly glossy and smooth surface.



Through the decreasing material consumption but also because of the significantly increased solid-content, the total output of solvents is reduced by far. Mipa BC therefore reaches the **optimum degree in solvent reduction that is possible** for solvent-based systems.

Low material consumption
and solvent output

The safe way to exact colour shades

- • • In no other **colour segment finding** the correct colour is as difficult as it is with effect colours. Colour codes on the vehicle, colour cards and formulations often only partly compare with each other, as colour and effect are influenced by environmental factors, colour variants, painting technique or by overcoating with clearcoat. Mipa reduces the unlimited amount of possible variants to a minimum in a colour card produced with original paint and sorted according to colour groups.

For finding a colour, no difficult „jumping“ between basic colour cards, annual colour cards and variant cards is necessary any longer. All colours are shown in one single colour card system. The colour shades are graded according to the **following scheme**:

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
according to RAL

Colour code

Colours with a system:

without „lucky shots“ ...

- • • Mipa **secures** the matching between formulations of Mipa BC and the corresponding colour card of Mipa Color System.



On this way the user reaches a high efficiency of the colour search **without „lucky shots“**.

Mipa Clearcoats

For the **perfect finish** and a permanent protection of Mipa BC basecoat overcoating with Mipa 2K-Clearcoats is of course necessary. Depending on application, quality requirements and climatic conditions a wide range of acrylic clearcoats in MS- and HS-quality are available. In combination with a versatile range of hardeners every requirement can be met.



Also in Mipa 2K-Clearcoats only the best raw materials are used, warranting brilliant, smooth and extremely weather resistant surfaces. Highly effective UV-filters result in excellent protection of basecoat and clearcoat. Large scale comparison tests show that Mipa clearcoats are among **the best in the car refinishing market**.



Crystal-clear and highly resistant surfaces are only reached by overcoating with Mipa 2K-Clearcoats.

Exact colour shades.

Mipa BC-Thinners



These especially for the use in Mipa BC-System developed thinners are an integral part of the mixing system. Already in the computer formulation a certain ratio is incorporated. After having mixed the formulation according to the computer the viscosity is adjusted with Mipa BC-Thinners. Depending on climatic conditions and application different versions of Mipa BC-Thinner are available.





The perfect solution

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Mipa PUR HS Mixing System

PURHS

SUCCESSFUL CAR REFINISHING

mipa®



The optimal paint

Mipa **PUR HS-paint system** is the answer to the question concerning the optimal paint for commercial vehicles. This paint system brings together **economic and cost saving application with first class surface quality** and visual results. The wide selection of primers/fillers, hardeners and additives enables the best solution of every paint problem around commercial vehicles. No matter if overall or repair paintings - the results are always perfect surfaces with a high stability of value.



The high resistance to light and weather besides others has been proved by tests under the sun of Florida and in the snow and ice of Finland. The use of Mipa PUR HS-paint system includes a high degree of environmental protection that starts with the production of our products. The high solid content of the top coat lowers the expulsion of solvents and therefore the burdening for the user and the environment. The modern technology and the excellent features of Mipa PUR HS result in a top class paint system. Get to know the new way of commercial vehicle painting, too!

... for commercial vehicles

Mipa PUR HS Mixing System:





● ● ● ● ● Mipa PUR HS Mixing System



A perfect system

Mipa PUR HS paint offers a great variety of colour shades for the individual design of vehicles. The range starts from RAL-, BS- and truck shades to fleet colours, NCS- and many important passenger car shades. Besides the range regularly is extended and modernized.



Mipa PUR HS is compatible **with all colour finding systems** of the Mipa car refinishing program.

In addition to the formulation software **MipaMix 5.0** the **Mipa Color System II** and even the portable spectrophotometer **MipaMix SSP** are available to use with the coating system. That ensures a professional and easy colour identification.

... for all vehicle parts

The optimal paint.

Excellent coverage:
up to 30 % saving in material

Higher efficiency due to shorter
spraying and drying times

Perfect gloss and flow

Several variation possibilities
for all applications

All solid colours for trucks and
commercial vehicles, RAL, NCS
and other standards available

VOC < 420g / ltr.

