

Intended use

Fast drying, water-borne 2K leather paint for smooth synthetic and real leather substrates that can be used for coating and repairing car seats, dashboards, door panels, centre consoles, add-on parts, etc. for interior and exterior use. Mipa WBC Binder 2K-Lederlack is tintable with Mipa WBC base tinters and thus provides a wide range of colours for the exact reproduction of different leather shades. Can also be used as transparent finish to increase the abrasion resistance, e.g. to prevent staining on clothes in case of intensive leather shades. Furthermore, Mipa Binder 2K-Lederlack can also be used as pure clearcoat on leather substrates. When applying on synthetic leather substrate, Mipa Binder 2K-Lederlack can be used as a 1K coating system without adding hardener.

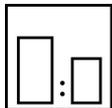
Spreading rate: 25,8 - 33,4 m²/l (for 10 µm DFT)

Processing instructions



Colour

tintable with Mipa WBC base tinters



Mixing ratio

Hardener

Mipa WBC-Härter

optional without hardener

by weight (lacquer : hardener)

5 : 1

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by volume (lacquer : hardener)

5 : 1

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Hardener

for complete paintwork

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for partial paintwork

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Pot life

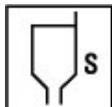
3,5 h at 20 °C



Thinner

Mipa WBC-Verdünnung

When applying without hardener as 1K-paint system, there is no need to add thinner.



Spray viscosity

Always stir in first the hardener in the basic paint and then thin with Mipa WBC-Verdünnung. Never add water to the hardener.

gravity spray gun

18 - 22 s 4 mm DIN

Airmix/Airless

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Application mode

Application mode

gravity spray gun (high pressure)

HVLP (low pressure)

HVLP / internal nozzle pressure

Hardener

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pressure (bar)

2 - 2,5

2 - 2,2

0,7

nozzle (mm)

1,0 - 1,2

1,0 - 1,2

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spray passes

1 - 3

1 - 3

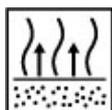
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Thinner

10 - 20 %

10 - 20 %

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Flash-off time

5 - 8 min between coats

Dry coat thickness

Always apply very thin layers until full covering is achieved!



Drying time

object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
20 °C	10 - 20 min	25 - 35 min	–	–	1 h

Note

- Storage:** for at least 2 years in unopened original containers. Frost-free storage.
- VOC Regulation :** EU limit value for this product (category B/d): 420 g/l
This product contains max. 420 g/l of VOC.
- Processing conditions:** From +10 °C and up to 80 % relative air humidity. Ensure an adequate air ventilation.
- Drying times reduce with increasing air velocity and decreasing relative humidity.
- Optimum processing conditions:
air temperature 20-25°C
object temperature > 15°C
relative air humidity 40-60 %
air velocity 0,25 - 0,3 m/s

Processing instructions:

Gloss level DIN EN ISO 2813 at 60° angle (Gloss units):

Mipa WBC Binder 2K-Lederlack seidenglänzend = 70 GU

Possible gloss levels when combining Mipa WBC Binder 2K-Lederlack seidenglänzend + Mipa WBC Binder 2K-Lederlack matt:

Mipa WBC Binder 2K-Lederlack seidenglänzend + Mipa WBC Binder 2K-Lederlack matt mixing ratio 10:1 by weight/ by volume = 45 GU

Mipa WBC Binder 2K-Lederlack seidenglänzend + Mipa WBC Binder 2K-Lederlack matt mixing ratio 5:1 by weight/ by volume = 25 GU

Mipa WBC Binder 2K-Lederlack matt = 10 GU

Substrate preparation:

Suitable substrates are smooth synthetic and real leather substrates. If necessary, check beforehand the recoatability of the leather substrate by doing a test application in an inconspicuous place and control subsequently the adhesion .

First clean with the vacuum cleaner and brush or blow the dirt off with oil-free compressed air. Ensure that careful cleaning also in pleats, gaps, wetting areas etc. Remove existing stains and/or impurities (e.g. juice / chocolate stains, mustard / ketchup residues etc.) thoroughly with warm soapy water using a cloth or brush. Before overcoating, make sure that the leather surfaces dry completely; residual moisture must be avoided at all costs.

Afterwards the used but also new leather substrates must be thoroughly degreased with Mipa Silikonentferner to remove substances that impair adhesion. New leather is often impregnated or pre-treated to make it dirt-repellent, which can lead to wetting and adhesion problems. Therefore a thorough degreasing is absolutely necessary.

In case of very smooth leather surfaces, it is necessary to dry sand with a fine sanding pad before coating.

Then remove the dust from the surface to be coated and degrease again using Mipa Silikonentferner.

1. Application of Mipa WBC Binder 2K-Lederlack tinted as topcoat in single-layer system

Preparing the ready-to-use mixture:

Please note that the binders must be well shaken or stirred before tinting and also later before processing in order to ensure a homogeneous and correct gloss level.

70 parts by weight Mipa WBC Binder 2K-Lederlack + 30 parts by weight Mipa WBC base tinter mixture in desired leather colour shade

Please note: Due to the system, the binder additives will lighten the colour shade.

This mixture + Mipa WBC-Härter mixing ratio 5 : 1 by weight/ by volume

Important: Always stir in first the hardener in the basic paint and then thin with Mipa WBC-Verdünnung. Never add the water to the hardener.

Adjust the spray viscosity of this mixture with hardener by adding t 10 - 20 % Mipa WBC-Verdünnung.

Note: When using this product as 1K-paint system, there is no need to add hardener or thinner.

Application:

Apply on damaged surfaces only very thin, even and flowing paint layers until full coverage is achieved. Too high a paint film thickness leads to brittleness of the leather surfaces and increases the risk of adhesion problems.

Observe an intermediate flash-off of approx. 5-8 minutes between coats. Alternatively, the area to be repaired can be carefully warmed up with a hair dryer to reduce the intermediate flash-off times.

In doing so, void overheating the leather or freshly painted surfaces.

To ensure that the colour transition from the old leather to the repair area is as homogeneous as possible, the coating must always be applied in such a way that it overlaps the previous coating and blends into the old leather area.

In the case of full-surface coating of leather substrates, where no attention must be paid to colour matching, blending is not necessary.

In this case, apply thin coats over the entire surface until full coverage is achieved. Too high film thickness leads to brittleness of the leather surfaces and increases the risk of adhesion problems.

Observe an intermediate flash-off of approx. 5- 8 minutes between coats. Alternatively, the area to be repaired can be carefully warmed up with a hair dryer to reduce the intermediate flash-off times.

In doing so, void overheating the leather or freshly painted surfaces.

2. Application of Mipa WBC Binder 2K-Lederlack tinted as topcoat + colourless finish in two-layer system

In order to improve additionally the abrasion resistance especially of leather surfaces with intensive colour shades, Mipa WBC Binder 2K-Lederlack undyed can be applied as colourless finish.

In this case, the topcoat must be applied as described above. After a minimum flash-off time of about 1 hour at room temperature, apply 1 - 2 thin coats of Mipa WBC Binder 2K-Lederlack undyed.

Preparing the ready-to-use mixture Mipa WBC Binder 2K-Lederlack undyed:

Mipa WBC Binder 2K-Lederlack + Mipa WBC-Härter mixing ratio 5 : 1 by weight/ by volume

Important: Always stir in first the hardener in the basic paint and then thin with Mipa WBC-Verdünnung. Never add the water to the hardener.

Adjust the spray viscosity of this mixture with hardener by adding t 10 - 20 % Mipa WBC-Verdünnung.

Note: When using this product as 1K-paint system, there is no need to add hardener or thinner.

Version: en 0521

This technical data sheet is supplied for informational purposes only! According to our information, all data and recommendations correspond to the state of art and are based on years of experience in manufacturing our products. They do not exempt the user from his obligation to verify professionally, on his own responsibility, the suitability of our products to the intended purpose under prevailing conditions. Safety data sheets and warnings on packaging must be observed. We reserve the right to modify and to complete the information content at any time, without prior notice or obligation to update.

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3. Application of Mipa WBC Binder 2K-Lederlack undyed as clearcoat:

For full-surface clear coating on leather substrates, apply 1 - 3 thin coats, depending on the absorbency of the leather and / or the desired gloss level (the more clearcoat layers the higher the gloss level). Too high a paint film thickness leads to brittleness of the leather surfaces and increases the risk of adhesion problems.

Observe an intermediate flash-off of approx. 5 - 8 minutes between coats. Alternatively, the area to be repaired can be carefully warmed up with a hair dryer to reduce the intermediate flash-off times. In doing so, void overheating the leather or freshly painted surfaces.

Note: When using this product as 1K-paint system, there is no need to add hardener or thinner.