Mipa 2K-HS-Klarlack CCD

Technical data sheet

Intended use

Mipa 2K-HS-Klarlack CCD with 5 - 10 gloss units at a 60° angle is a VOC-compliant High-Solid acrylic clearcoat for high-quality, very mat coatings (partial or complete paintworks) in the car sector. It ensures a uniform dull matt clear coat on solvent and water-based paints. Mipa 2K-HS-Klarlack CCD is highly resistant to all weather conditions as well as to chemical agents and mechanical stress.

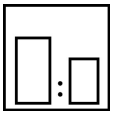
Spreading rate: 10,0 - 12,0 m²/l

Processing instructions



Colour

colourless



Mixing ratio

Hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)
Mipa 2K-MS-Härter MS 25 / 40	--	2 : 1
Mipa 2K-HS-Härter HS 25 / 35	--	3 : 1



Hardener

for complete paintwork	for partial paintwork
Mipa 2K-MS-Härter MS 40	Mipa 2K-MS-Härter MS 25
Mipa 2K-HS-Härter HS 35	Mipa 2K-HS-Härter HS 25



Pot life

1 h bei 20 °C



Thinner

Mipa 2K-Verdünnung normal V 25

Mipa 2K-Verdünnung lang V 40



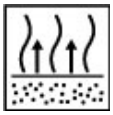
Spray viscosity

gravity spray gun	Airmix/Airless
16 - 18 s 4 mm DIN	--



Application mode

Application mode	Hardener	pressure (bar)	nozzle (mm)	spray passes	dilution (%)
gravity spray gun (high pressure)	--	2 - 2,5	1,2 - 1,3	1,5	15 - 25 %
HVLP (low pressure)	--	2 - 2,2	1,2 - 1,3	1,5	15 - 25 %
HVLP / internal nozzle pressure	--	0,7	--	--	--



Flash-off time

5 - 10 min between coats

30 - 45 min prior to oven drying

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Dry coat thickness

50 - 60 µm



Drying time

object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
20 °C	25 - 35 min	12 h	24 h	--	--
60 °C	--	30 min	2 h	--	--
Infrared drying shortwave	--	8 min	--	--	--
Infrared drying mediumwave	--	10 - 15 min	--	--	--

Note

Storage: At least 3 years in unopened original container.

VOC Regulation: EU limit value for this product (category B/e): 840 g/l.
This product contains max. 605 g/l of VOC.

Processing conditions: From +10 °C and up to 80 % relative air humidity. Ensure an adequate air ventilation.

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Processing instructions:

Always stir Mipa 2K-HS-Klarlack CCD thoroughly before use, since sediment, that have not been stirred up, can lead to higher gloss levels and / or lumps.

Then adjust the spray viscosity and filter with a 125 µm filter before painting.

To ensure a uniform gloss level on large surfaces when painting passenger cars, it is advisable to integrate this into the daily routine as the last coat and to let it dry overnight at room temperature.

When applying matt clearcoats, the overlaps must be painted so that they run into each other as far as possible and excessive spray mist must be avoided, as this would lead to inhomogeneous matting and / or rough spots due to nibs in the coating.

In the case of application over a large area, where several vehicle parts are affected, we therefore recommend to remove bonnets, doors, tailgates, etc. and to coat them individually.

Since it is not possible to polish matt clearcoats, spot repairs are not possible. Therefore, always paint components over the entire surface. Under certain circumstances, it may be necessary to completely recoat entire vehicle sides to achieve a uniform matt finish.

Note also the following:

1 . Colour matching/ gloss level determination:

As the gloss level of the matt clearcoat strongly influences the colour shade, you have to do spray-out cards before the actual refinishing.

Before comparing the spray-out cards to the old paintwork with regard to colour shade and gloss level match, the old coating must be cleaned carefully.
For the finishing coat the following must also be observed:

- Use of the same spray gun + nozzle with identical material and pressure settings.

- The application method + layer thicknesses must be identical

- Intermediate and final drying must be identical

2. cleanliness during application:

As polishing of matt varnishes is not possible due to the system, care must be taken to ensure that painting is done in a particularly clean and dust-free environment.

This requires absolutely clean coating conditions, which makes it necessary to thoroughly clean the painting booth and check the ceiling and floor filters beforehand.

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Optimum application:

- Apply a light continuous spray coat.
- Followed by 1 full spray coat.

Possible gloss levels in combination with Mipa 2K-HS-Klarlacken CC 6 / CC 8 / CC 9 / CC 12 / CC 14 Thix:

Mipa 2K-HS-Klarlack CCD + Mipa 2K-HS-Klarlack mixing ratio 6:1 = matt (15-20 GU / 60°)

Mix with 2K-HS-Klarlack CCM for finer gradations in the gloss range 5 - 15 GU!

Mipa 2K-HS-Klarlack CCD + Mipa 2K-HS-Klarlack mixing ratio 4,5:1 = satin matt (20-30 GU / 60°)
Mipa 2K-HS-Klarlack CCD + Mipa 2K-HS-Klarlack MV 3,5:1 = semi-gloss (50-60 GU / 60°)
Mipa 2K-HS-Klarlack CCD + Mipa 2K-HS-Klarlack MV 2,5:1 = satin gloss (70-80 GU / 60°)

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