

### Intended use

Mipa 2K-Klarlack CMS is a high-quality matt clearcoat with fine texture. Particularly suitable to apply some Peugeot standard colours which are available in a matt fine texture. This product is resistant to yellowing and provides excellent resistance to environmental conditions and weathering as well as a very good scratch resistance. The gloss level is 10 - 15 gloss units at an angle of 60°, although this value can vary greatly due to structure and painting process.

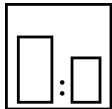
Spreading rate: 6,0 - 8,0 m<sup>2</sup>/l

### Processing instructions



#### Colour

colourless



#### Mixing ratio

##### Hardener

Mipa 2K-MS-Härter

**by weight (lacquer : hardener)**    **by volume (lacquer : hardener)**

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2 : 1



#### Hardener

##### for complete paintwork

Mipa 2K-MS-Härter MS 40

##### for partial paintwork

Mipa 2K-MS-Härter MS 25



#### Pot life

approx. 1 h at 20 °C



#### Thinner

Mipa 2K-Verdünnung V 25

Mipa 2K-Verdünnung lang V 40



#### Spray viscosity

##### gravity spray gun

18 - 20 s 4 mm DIN

##### Airmix/Airless

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#### Application mode

##### Application mode

gravity spray gun (high pressure)

##### Hardener

–

pressure (bar)

2 - 2,5

##### nozzle (mm)

1,2 - 1,3

##### spray passes

2

##### Thinner

10 - 20

HVLP (low pressure)

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2 - 2,2

1,2 - 1,3

2

10 - 20

HVLP / internal nozzle pressure

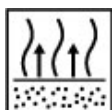
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0,7

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#### Flash-off time

5 - 7 min between coats

15 - 20 min before oven drying

#### Dry coat thickness

50 - 60 µm

Version: en 1121

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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### Drying time

**object  
temperature**

20 °C

60 °C

**dust dry**

15 - 25 min

–

**set to  
touch**

1,5 - 2 h

30 min

**ready for  
assembly**

12 h

after cooling

**sandable**

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–

**recoatable**

–

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### Note

**Storage:**

at least 3 years in unopened original container

**VOC Regulation :**

EU limit value for this product (categorie B/e): 840 g/l  
This product contains max. 600 g/l of VOC.

**Processing conditions:**

from +10 °C and up to 80 % relative humidity. Ensure adequate air ventilation.

**Processing instructions:** Stir thoroughly Mipa 2K-Klarlack CMS before use.

It is recommended to strain with a 190 µm strainer. We advise against the use of strainers that are integrated in cup systems for spray guns.

Mipa 2K-Klarlack CMS should be applied as follows:

Apply one uniform, wet layer and allow flash-off of approx. 10 - 15 minutes at room temperature.

Apply the second layer uniformly and make sure that this layer is not too wet. In doing so, the fine texture should develop homogeneously all over the surface.

Note: Since texture and gloss level of factory paintwork may be subject to variabilities it is recommended to make a coating sample in order to ensure an optimal matching. If the sample has a too fine texture or is too glossy just lower the spray pressure to approx. 1-1.2 bar and apply a drop coat to match the original texture of the coating.

The final flash-off time before oven drying should be at least 15 - 20 minutes. It is recommended to dry at room temperature to achieve a homogeneous matt degree.

Make sure that the application is done in an particularly clean and dust-free area as there is no possibility to polish Mipa 2K-Klarlack CMS-coatings due to the nature of the system.

The fact that fine textured matt coatings generally cannot be polished makes the clearcoat Mipa 2K-Klarlack CMS unsuitable for spot repair application. Therefore paint always the entire surface of elements.

Since texture and matt level of series coatings are subject to variabilities, the repair of only one element might also be difficult. The more so as during the application of Mipa 2K-Klarlack CMS very different painting results may be achieved as a function of spray mode. Furthermore, the way of drying, coating thickness, flash-off times and so on affect significantly the gloss level. It might be therefore possible to repaint the complete side of the vehicle in order to achieve a homogenous matt texture.

Repair of Mipa 2K-Klarlack CMS coatings:

As Mipa 2K-Klarlack CMS coatings have a full-surface fine texture, refinishing jobs can only be carried out on a sanded, plane surface. Otherwise the refinish will show a heterogeneous coarse texture. It is almost impossible not to grind through the basecoat during a full-surface preliminary sanding. Therefore, it is recommended to rebuild the film starting with Mipa filler+ Mipa basecoat + Mipa 2K-Klarlack CMS.

Paint care:

Mipa 2K-Klarlack CMS coatings provide high resistance and scratch resistance. Nevertheless, the following instructions must be observed to ensure a durable, homogeneous and matt fine texture:

Cleaning with vapour steam or pressure washer and car wash with hard or unsuitable brushes is not allowed.

Polishing or use of waxes or other preserving agents are not allowed.

Before car wash remove as carefully as possible heavy soiling e.g. with soft sponge and a lot of water. Tenacious stains such as insect residues, bird droppings or vegetable contaminations must be soaked thoroughly with water. In any case do not clean with high mechanical action (e.g. intense rubbing with dry cloths, brushes with hard bristles or hard sponges) as this leads to a polishing of the clearcoat surface.