

### Intended use

Mipa 2K-HS-Klarlack CS 90 is a scratch-resistant two-component HS polyurethane acrylic clearcoat based on Reflow technology. Because of its resistance to micro-scratches (caused e.g. by car wash plants) and to chemicals, Mipa 2K-HS-Klarlack CS 90 is particularly suitable for high-quality partial or complete paintworks on cars, motorcycles and commercial vehicles. Mipa 2K-HS-Klarlack CS 90 is especially easy to apply and is perfectly suitable to overcoat waterborne basecoats. VOC-conform.

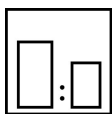
Spreading rate: 6,0 - 8,0 m<sup>2</sup>/l

### Processing instructions



#### Colour

colourless



#### Mixing ratio

##### Hardener

Mipa 2K-MS-Härter

Mipa 2K-HS-Härter

by weight (lacquer : hardener)

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by volume (lacquer : hardener)

2 : 1

3 : 1



#### Hardener

##### for complete paintwork

Mipa 2K-MS-Härter MS 25 / 40

Mipa 2K-HS-Härter HS 25 / 35

##### for partial paintwork

Mipa 2K-MS-Härter MS 10

Mipa 2K-HS-Härter HS 10



#### Pot life

1 h with Mipa 2K-Härter MS 10 / HS 10 at 20 °C

4 h with Mipa 2K-Härter MS 25 / HS 25 at 20 °C

6 h with Mipa 2K-Härter MS 40 / HS 35 at 20 °C

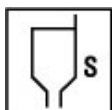


#### Thinner

Mipa 2K-Verdünnung kurz V 10

Mipa 2K-Verdünnung normal V 25

Mipa 2K-Verdünnung lang V 40



#### Spray viscosity

There is no need to add thinner when using the hardener Mipa 2K-MS-Härter.

##### gravity spray gun

18 - 20 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)

1,2 - 1,3

1,2 - 1,3

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##### spray passes

1 - 2

1 - 2

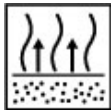
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##### dilution (%)

5 - 10

5 - 10

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### Flash-off time

5 - 10 min between the coats  
10 - 15 min before oven drying

### Dry coat thickness

40 - 50 µm



### Drying time

object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
20 °C	25 - 30 min	6 - 8 h	24 h	--	--
60 °C	--	30 min	1 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. 500 g/l of VOC.
- Processing conditions:** From +10 °C and up to 80 % relative air humidity. Ensure an adequate air ventilation.
- Processing instructions:** In case of BC-basecoats (solvent-based), it's necessary to apply first a thin coat (tack coat), which can be overcoated by applying 1-2 normal coats after approx. 3 - 5 min. flash-off time.