

### Intended use

Mipa 2K-HS-Klarlack CS 44 is a scratch-resistant and easy-to-clean clearcoat based on nanotechnology. Because of its extraordinary resistance to micro-scratches (caused e.g. by car wash plants or mechanical abrasion) and to chemicals, Mipa 2K-HS-Klarlack CS 44 is particularly suitable for high-quality partial or complete paintworks on cars, motorcycles, commercial vehicles and for coating highly stressed parts (e.g. vehicles interior, motorcycle tanks, handle shell). Mipa 2K-HS-Klarlack CS 44 can be applied as topcoat on water-based or solvent-based basecoats. Full mechanical stress resistance and scratch resistance are achieved after a drying time of at least 7 days at 20°C.

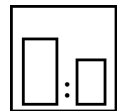
Spreading rate: 10,0 - 12,0 m<sup>2</sup>/l

### Processing instructions



#### Colour

colourless



#### Mixing ratio

##### Hardener

Mipa 2K-HS-Härter

by weight (lacquer : hardener)

–

by volume (lacquer : hardener)

2 : 1



#### Hardener

##### for complete paintwork

Mipa 2K-HS-Härter HS 25

Mipa 2K-HS-Härter HS 35

##### for partial paintwork

Mipa 2K-HS-Härter HS 10

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#### Pot life

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

2,5 h with Mipa 2K-HS-Härter HS 25 at 20 °C

2,5 h with Mipa 2K-HS-Härter 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

##### gravity spray gun

19 - 22 s 4 mm DIN

##### Airmix/Airless

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#### 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	0 - 5
HVLP (low pressure)	–	2 - 2,2	1,2 - 1,3	1,5	0 - 5
HVLP / internal nozzle pressure	–	0,7	–	–	–



**Flash-off time**

1 - 3 min between the coats  
 10 - 15 min before oven drying

**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/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.
- Processing instructions:** Optimum application: apply a light continuous spray coat followed by 1 full spray coat.