

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.

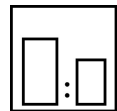
Spreading rate: 10,0 - 12,0 m²/l

Processing instructions



Colour

colourless



Mixing ratio

Hardener

Mipa 2K-HS-Härter

by weight (lacquer : hardener)

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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 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

gravity spray gun (high pressure)

HVLP (low pressure)

HVLP / internal nozzle pressure

Hardener

–

–

–

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

1,5

1,5

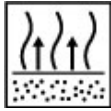
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Thinner

0 - 5

0 - 5

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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.