Mipa 2K-HS-Klarlack CS 90

Technical data sheet

Intended use

Mipa 2K-HS-Klarlack CS 90 is a scratch-resistant two-component HS 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.

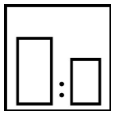
Spreading rate: 6,0 - 8,0 m²/l

Processing instructions



Colour

colourless



Mixing ratio

Hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)
Mipa 2K-Härter H 5	--	2 : 1
Mipa 2K-MS-Härter	--	2 : 1
Mipa 2K-HS-Härter	--	3 : 1



Hardener

for complete paintwork	for partial paintwork
Mipa 2K-MS-Härter MS 25 / 40	Mipa 2K-Härter H 5 (only Spot-Repair)
Mipa 2K-HS-Härter HS 25 / 35	Mipa 2K-MS-Härter MS 10



Pot life

0,5 h with Mipa 2K-Härter H 5 at 20 °C

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 V 25

Mipa 2K-Verdünnung lang V 40



Spray viscosity

There is no need to add thinner when using the hardener Mipa 2K-Härter H 5 and MS-Härter.

Gravity spray gun	Airmix/Airless
18 - 20 s 4 mm DIN	--

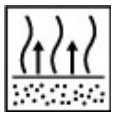
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Application method

Application method	Hardener	Pressure (bar)	Nozzle (mm)	spray passes	Thinner
gravity spray gun (high pressure)	--	2 - 2,5	1,2 - 1,3	1 - 2	5 - 10
HVLP (low pressure)	--	2 - 2,2	1,2 - 1,3	1 - 2	5 - 10
HVLP / internal nozzle pressure	--	0,7	--	--	--



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.

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