VC 200-50 Single-layer Coat semi gloss 'Mipaflex'

Intended use

Fast drying single-layer spray paint to coat constructions (halls, pipes, doors, wall and ceiling panels, recipients, vehicle constructions) made of steel, zinced steel and aluminium. For interior and exterior use.

Processing instructions

Mixing ratio

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

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Pot life

2 days with Härterverdünnung

Thinner

Mipa UN Verdünnung

Mipa Verdünnung UN 21

Mipa Härterverdünnung

Spray viscosity

gravity spray gun	Airmix/Airless
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Application mode

application mode	hardener	pressure (bar)	nozzle (mm)	spray passes	dilution
gravity spray gun/ HVLP	--	2,0 - 2,5	1,3 - 1,5	2 - 4	10 - 15 %
Airmix / Airless	--	100 - 120	0,28 - 0,33	1	0 - 5 %

Drying time

hardener	object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
--	20 °C	10 - 15 min	20 - 30 min	2 - 3 h	--	10 min
--	60 °C	--	30 min	30 min	--	5 min

Fully cured after 4 - 5 days (at 20 °C).

Note

Characteristics:

binder base:	vinylic copolymer
solids content (% by weight):	52 - 56
solids content (% by volume):	36 - 37
delivery viscosity DIN 53211 4 mm (in s):	70 - 90
density DIN EN ISO 2811 (kg/l):	1,1 - 1,3
gloss level ISO 2813 at 60° (GU):	35 - 45 semi-gloss

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Properties:	electrostatic application possible highly water-resistant short drying time heat resistance: - short-term heat exposure: 90 °C - permanent heat exposure: 70 °C adhesion to steel, zinced steel, aluminium and concrete
Theoretical spreading rate :	28,9 - 32,9 m²/kg for 10 µm dry film thickness 36,8 - 37,5 m²/l for 10 µm dry film thickness
Storage:	for at least 3 years in the unopened original container. Optimum storage conditions between + 5 °C and + 25 °C, avoid direct sunlight. Other storage conditions may lead to undesirable properties of the material.
VOC Regulation :	This product has the following maximum VOC-values: undiluted: < 570 g/l of VOC
Processing conditions:	from+ 10 °C and up to 80 % relative humidity. Ensure adequate air ventilation.
Substrate preparation:	Remove oil, grease, rust, mill scale, rolling skins, as well as other substances impairing the function of the coating! Attention: A direct adhesion cannot be taken as granted due to most different kinds of metals, alloys, metallic and conversion coatings and so on. The adhesion must therefore be tested on the original metal substrate. steel: - blast to cleaning degree Sa 2½, remove blast residues and overcoat promptly - de-rust with hand and power tools to degree of cleanliness St 3 - degrease with Mipa WBS Reiniger or Mipa Silikonentferner zinced substrates: - clean the surface with the ammonia solution Mipa Zinkreiniger - sweep blast aluminium: - degrease with Mipa 2K-Verdünnung, sand thoroughly with sandpaper P 360/400 and clean subsequently with Mipa Silikonentferner mineral substrates (concrete, plaster): - mineral substrates (set, dimensionally stable, rough and solid) must be free from friable parts and other substances that may affect the adhesion (e.g. rubber marks, greases, oils, rust, dust and similar)

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Proposed coating structure:

single coat system
steel, zinced substrates, aluminium:
VC 200- 50 with 50 - 70 µm dry film thickness

2-coat system
steel, zinced substrates:
priming coat: *VB 100-20 min 20 - 30 µm or EP 100-20 with 50 - 70 µm dry film thickness
finishing coat: VC 200-50 with 50 - 60 µm dry film thickness

aluminium:
priming coat: *VB 100-20 min 20 - 30 µm or EP 100-20 with 25 - 30 µm dry film thickness
finishing coat: VC 200-50 with 50 - 60 µm dry film thickness

concrete/ mineral substrates
priming coat: VC 200-50 with 10 - 20 µm dry film thickness
finishing coat: VC 200-50 with 50 - 60 µm dry film thickness

*Further Mipa primers are available. Please contact your technical adviser or our application technicians.

Special notes:

For professional use only.

Due to the system there might be signs of chalking in the event of exposure to high UV and weathering stress. Furthermore, thermoplastic behaviour of the coating is observed at higher temperatures.

Check colour shade prior to application.

Cleaning of tools:

Clean tools immediately after use with Mipa Nitroverdünnung.

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